

HOUSTON PUBLIC LIBRARY



R0162433421

R0162433421 txr

T
976
.41
H843
1913

Houston Public Library
Texas Room



Digitized by the Internet Archive
in 2012 with funding from
LYRASIS Members and Sloan Foundation

*976-11
287*

ANNUAL MESSAGE

—OF—

H. B. RICE,

MAYOR OF THE CITY OF HOUSTON,

—AND—

ANNUAL REPORTS OF CITY OFFICIALS

FOR THE YEAR ENDING FEBRUARY 28, 1913.

=====

R01624 33421

COMPILED BY
DAN C. SMITH, JR.,
City Controller and Secretary.

32401

HOUSTON, TEXAS.

W. H. COYLE & CO., STATIONERS AND PRINTERS,

1913



R01624 33421



CITY OFFICIALS

H. B. RICE.....*Mayor*
J. KENNEDY.....*Mayor pro tem*

COMMISSIONERS

J. J. PASTORIZA	JACK KENNEDY	ROBT. L. JONES
	W. J. KOHLHAUFF	

WATER COMMITTEE

R. L. JONES, <i>Chairman</i>	
JACK KENNEDY	W. J. KOHLHAUFF

STREET AND BRIDGE COMMITTEE

JACK KENNEDY, <i>Chairman</i>	
W. J. KOHLHAUFF	ROBT. L. JONES

FIRE COMMITTEE

W. J. KOHLHAUFF, <i>Chairman</i>	
JACK KENNEDY	ROBT. L. JONES

ORDINANCE COMMITTEE

JACK KENNEDY, <i>Chairman</i>	
W. J. KOHLHAUFF	ROBT. L. JONES

BOARD OF APPRAISEMENT

J. J. PASTORIZA, <i>Chairman</i>	
W. J. KOHLHAUFF	JAS. P. WELSH

HEADS OF DEPARTMENTS

- T. C. DUNN (Active Vice-President Union National Bank) Treasurer.
- D. C. SMITH, JR.....Controller and Secretary.
- MISS ROBERTA COTTER.....Assistant Secretary.
- JNO. A. KIRLICKS.....Judge of Corporation Court
- JAMES E. NIDAY.....City Attorney.
- FRANK L. DORMANT.....City Engineer.
- JAMES P. WELSH.....Assessor and Collector.
- DR. GEO. W. LARENDON.....City Health Officer.
- DR. F. J. SLATAPER.....Bacteriologist.
- JOHN B. WILLIAMS.....Water Superintendent.
- E. C. NOBLE.....Chief of Police.
- JNO. HEFFERNAN.....Sewer Inspector.
- W. X. NORRIS.....Building Inspector.
- N. C. MUNGER.....Purchasing Agent.
- F. J. OLLRE.....Market Master.
- C. R. GEORGE.....City Electrician.
- R. F. OLLRE.....Chief Fire Department.
- M. MURPHY.....Wharf Master.
- E. R. PARKER.....Fire Marshal.

BOARD OF LIQUIDATION.

- | | |
|-----------------|----------------|
| F. A. REICHARDT | ED. H. HARRELL |
| O. T. HOLT | |
| B. F. BONNER | H. W. GARROW |

BOARD OF HEALTH

- | | |
|----------------------------------|------------------|
| DR. JOE STUART, <i>President</i> | |
| DR. W. A. ARCHER | DR. J. W. SCOTT |
| DR. SIDNEY J. SMITH | |
| DR. J. D. DUCKETT | DR. S. H. HILLEN |

BOARD OF SCHOOL TRUSTEES**RUFUS CAGE, President****B. B. GILMER, Vice-President****A. S. CLEVELAND, Secretary****G. H. PENDARVIS***Finance Committee***G. H. PENDARVIS****SAM SWINFORD****B. B. GILMER***Teachers' Committee***A. S. CLEVELAND****J. D. DUCKETT****B. B. GILMER***Course of Study and Text-Books***S. MCNEILL****A. S. CLEVELAND****SAM SWINFORD***School Property, Purchase and Repairs***B. B. GILMER****G. H. PENDARVIS****S. MCNEILL***Hygiene***DR. J. D. DUCKETT****G. H. PENDARVIS****S. MCNEILL***Grievances and Complaints***SAM SWINFORD****J. D. DUCKETT****A. S. CLEVELAND****W. PEINE, Business Representative of the Board**

ANNUAL MESSAGE

OF

H. B. RICE,

MAYOR OF THE CITY OF HOUSTON.

CITY OF HOUSTON

EXECUTIVE DEPARTMENT

MAYOR'S MESSAGE

HOUSTON, TEXAS, March 14th, 1913.

To the Honorable City Council of the City of Houston:

GENTLEMEN:—I herewith submit the annual reports and budget for the ensuing year, as prescribed by the Charter of the City.

I respectfully call your attention to the fact that, in not one year of municipal government in this city, have so many important projects been put forward and consummated as in the year 1912. In no one time has the City of Houston placed herself upon such a solid foundation as in the past twelve months.

First and above all else comes the practical realization of the consummation of many years' work, a deep water stream from Houston to the Gulf. It has been a dream of our forefathers, and will, in a few months, be a reality to those living. Some time ago the United States Government and the County of Harris, including its County Seat (Houston), entered into a partnership at the expense of \$2,500,000.00 to deepen our waterway to such a depth that ocean steamers could come to the City limits of Houston. For some months several powerful dredges have been deepening and widening our waterway, and making such progress that, in less than one year from now, we will have a real, deep waterway, and ready to handle the commerce of not only Houston and Texas, but a port for all that tonnage which comes Gulfward west of the Mississippi. I earnestly recommend that the various business interests combine and proceed at once, not only to help the city build wharves and other modern facilities, under the advice of the United States

Engineers, but to acquire sufficient property upon our water-way that will forever stop the monopoly of corporate interests and guarantee free wharves to commerce. At present this is the most important measure before our people.

Probably one of the most progressive and beneficial movements ever enacted by a people, during the past year, has been the voting of bonds to the amount of \$2,500,000.00 for Drainage, Sewerage, substantial School Houses, Parks, Bridges and Paved Streets for this city. It means that when this money has been expended, Houston will be in the front rank of all her sister cities and it means employment for her labor.

Again, when we contemplate that the citizens voted to amend their Charter, in order to secure more and better paved streets, we cannot but congratulate them, for without the financial aid of the citizens no government could pave all its streets from both its General and Bonded Revenue.

It must be a source of pleasure to you to see the construction of so many modern schools in your city, giving ample room and facilities for the children of Houston. When these buildings are completed this city will measure with the best cities from an educational standpoint.

Parks.

I must congratulate the Council on their wisdom in enlarging the Park facilities of Houston. With the exception of Sam Houston Park, which has been a blessing to our people, purchased by the City, and Elizabeth Baldwin Park, partly donated and partly purchased by the City, we have had no parks.

But the acquisition of nearly all the valley of White Oak Bayou from the Southern Pacific Hospital to Houston Heights, and the further acquisition of property from Cleveland Park up Buffalo Bayou to Shepherd's Dam, means that Houston will soon have a magnificent park system. I suggest to the next administration, and to the people who will have to furnish the means, that the City still go beyond

Shepherd's Dam on Buffalo Bayou and purchase the large wooded tracts on both sides of the stream, and secure a park that will for all time be of sufficient magnitude for our people. It is only a short time before all this land will be in the city limits.

Viaduct.

In a few weeks the Main Street Viaduct will be completed, and will prove a blessing to the people, especially on the north side of Buffalo Bayou. This Viaduct means that tunnels cannot be successfully maintained in this flat country, and I recommend that in future the railroads either individually or jointly with the City, as may be deemed best, construct overhead passageways for the people, and I also recommend that a viaduct be constructed at Maury Street over the Southern Pacific Railroad, during the present year.

As you have decided to build viaducts at Capitol and Franklin Avenues, I earnestly recommend that you also take immediate steps to build a substantial structure at San Jacinto Street, it being the most important thoroughfare across the Bayou.

Exposition.

Nearly all of the citizens of Houston have petitioned this Council to provide a sufficient amount of land for a South Texas Exposition, and to devise ways and means for its development. We have purchased the land, and I suggest that you create an Exposition Board, separate from the City authorities, to manage and work out this proposition.

Free Concerts and Lectures.

During the past fiscal year, this government has furnished free music and noted lectures at the Auditorium on Sundays. This action was taken after much deliberation, and I believe it has been beneficial to this community.

Houston owns the Auditorium and I am firmly convinced that the high class of entertainments given have done immense good, in making the people happy and contented. The Municipal Band, that the City sustains, playing during the

summer months for our people in the various parts of the city, is well worth what is expended for them, and while giving real pleasure to the people, costs but little to the taxpayer.

Navigation District Bonds.

During the past year, we purchased \$290,000.00 of the Harris County Navigation District Bonds, in order to help our waterway, this being the largest individual subscription for these bonds. You may readily understand that this amount of money out of one year's revenue is quite an item.

Water.

Several miles of water mains have been laid during the fiscal year, and I find little or no complaint in this department.

Fire Department.

Houston suffered a disastrous fire on the north side of the Bayou during the past year, but fortunately no loss of life occurred. This fire caused a heavy outlay of money, for the purchase of apparatus to place the department on an increased efficient basis.

Streets and Bridges.

Houston has expended during the past year the sum of \$191,000.00 on its streets and bridges, the Viaduct on Houston Avenue alone costing about \$50,000.00. The rapid growth and expansion of this city means an increased annual appropriation for this department.

Police.

I think the police force has increased in efficiency and is giving general satisfaction to the people. On account of the high price of living the City furnishes this department with uniforms.

Finance.

On account of the heavy demands from all departments and for permanent improvements, we have a deficit at the end of the year. The Controller's report exhibits in detail

the excess over the budget in all departments. We have in the Sinking Fund \$428,708.36, after redeeming \$24,000.00 Compromise Bonds.

We will leave to our successors over two million dollars in the various bond funds and the amount of public work alone should keep our labor employed.

Thanking you for your co-operation in all matters, I respectfully submit the budget.

Budget.

Mayor and Commissioners.....	\$ 13,600.00
Controller and Secretary.....	7,500.00
Treasurer	620.00
Assessor and Collector.....	18,000.00
City Hall	4,000.00
Elections	1,000.00
Damages	1,000.00
Interest on Bonds.....	442,700.00
Sinking Fund	225,000.00
Electric Lights	55,000.00
Police	120,000.00
Corporation Court	2,500.00
Fire Department	125,000.00
Health Department	25,000.00
Scavenger Department	14,000.00
Electrical Department	8,000.00
City Engineer	20,000.00
Streets and Bridges.....	100,000.00
Repairs of Shell and Gravel Streets.....	25,000.00
Sewer Department	25,000.00
Garbage Department	25,000.00
Market	7,000.00
Schools	235,000.00
Parks	12,000.00
Carnegie Library	13,500.00
Colored Carnegie Library	1,500.00
Refunding Certificates	21,000.00
Mayor's Emergency Fund.....	1,000.00
Auditorium	5,000.00
Stuart Giraud (Special Auditor).....	7,500.00

WATER DEPARTMENT.

General Expenses	80,000.00
Interest	55,000.00
Sinking Fund	28,000.00

Yours respectfully,

H. B. RICE,
Mayor of the City of Houston.

H. B. Rice

ANNUAL REPORT

OF

J. J. PASTORIZA,

*CHAIRMAN TAXATION COMMITTEE AND
BOARD OF APPRAISEMENT,*

For the Year Ending February 28, 1913.

32401

REPORT OF TAX COMMISSIONER.

HOUSTON, TEXAS, March 12, 1913.

To THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—I beg to submit to you my annual report for the fiscal year ending February 28, 1913.

Having been appointed by you as Chairman of the Taxation Committee and as Chairman of the Board of Appraisement, my report will be confined to a statement of the work of these two committees, whose duties are practically the same.

A part of the force of this office has been working to correct errors in the dimensions of property as stated on the Block Books. We have visited in person many pieces of land, remeasured them and made the corrections on the Block Books. This work has not yet been completed, but we hope to complete it within the next two or three months.

Real Estate Exempt.

This office has made a Block Book showing:

1st. All city real estate, its location, dimensions and value.

2d. All real estate legally exempt from taxation.

This book will be found of great use to future administrations.

City Limit Monuments.

This Board found great difficulty in arriving at the area of tracts of land which extended to or overlapped the city limits, because the exact boundary of the city limits had not been indicated on the ground. We, therefore, have placed re-enforced concrete monuments every quarter of a mile on the four sides of the city and are making a map showing the exact dimensions of each piece of land bordering the limits. In this way we can correct the assessment of all

owners of land in this locality which heretofore was in dispute.

In my last report I called Your Honor's attention to the fact that portions of many streets were occupied by individuals without the city getting any compensation therefor, and suggested the advisability of having these obstructions removed. I again urge upon you the necessity of doing this and ask that you give me authority to furnish the City Attorney with the data and instruct him to institute legal proceedings to recover said portions of streets.

Assessment of Property and Tax Rate.

The total assessment of property for last year was \$96,-273,850.00. The assessment for 1911 was \$77,294,351.00, which shows that during the past year this Board increased the assessment of property in Houston \$18,979,499.00. The rate for 1911 was \$1.70, and in my report for that year I indicated that if our original values were maintained that we could reduce the rate to \$1.30. We, however, found it necessary to cut the assessment upon land thirty per cent, which resulted in the rate for 1912 being made \$1.50. This, however, was a reduction of twenty cents over the previous year.

J. J. PASTORIZA,
Tax Commissioner City of Houston.

ANNUAL REPORT

OF

R. L. JONES,

CHAIRMAN WATER COMMITTEE,

For the Year Ending February 28, 1913.

REPORT OF WATER COMMITTEE.

HOUSTON, TEXAS, March 1, 1913.

TO THE HON. H. B. RICE, *Mayor, and Board of Commissioners:*

GENTLEMEN:—As Chairman of the Water Committee, I herewith submit to you the annual report of the Water Department for the fiscal year ending February 28, 1913.

First in order you will observe the comparative statement of revenue and expense which shows an increase in net revenue of \$8,352.79 over last year, and the total expenses exceed the budget by \$9,081.69. This excess was caused by the steady incline in price of commodities used by the Department. The greatest increase in any single item of expense is recorded under Fuel Oil. This commodity has risen steadily in price from $87\frac{1}{2}$ c per barrel on March 1, 1912, to \$1.24 on February 28, 1913, and the market gives every indication of a continued rise from this time. The attached table on Fuel Oil will prove interesting.

Among the improvements that were undertaken this year were 25,268 feet of 8-inch cast iron mains, and 1,414 feet of 4-inch and 6-inch pipe. This latter pipe was laid in localities that did not justify a larger expenditure for the benefits derived. Three and four way Columbia Fire Hydrants were set in connection with these mains numbering 51. Together with those already in service the city has 940 hydrants, each located conveniently to serve all surrounding property.

The pressure has been increased somewhat and no complaints from lack of same have been noted.

It is gratifying that the problem of metering the city no longer confronts us, as the 17th of April last marked the day of departure from the flat rate connections. The Meter Division reports 1,529 new meters set last year and a grand total of 9,497 in service. Meter Table No. 5 shows 2,855 meters on hand, which, it is hoped, will be installed during the coming year.

Street repairs were above normal owing to the great amount of excavating being done for paving, sanitary and storm sewers, etc., which often interfered with the mains and services, causing either leaky joints or entire removal of pipe.

Expenditures at the pumping station consisted, in addition to maintenance proper, of beautifying the grounds, repairing and repainting the buildings and removing the old storeroom. The plant and grounds present a pleasing appearance and our intention of converting the property near by into a pretty park will soon be accomplished.

Owing to the need of a more adequate storeroom bids were asked for a two-story brick structure to replace the one which had served for years. Contract was let at an estimated cost of \$8,141.00, which included also concrete vault for fuel tanks.

During an inspection of the Board of Fire Underwriters the reservoir that was used for a fuel oil storage tank was declared a fire menace to the plant owing to its exposure to lightning. In accordance with their view the City Council requested bids for two steel underground tanks with a capacity of 51,744 gallons. The estimated cost was placed at \$2,136.00. The work will be completed within a short time.

In order to strengthen the water pressure in the First, Fifth and Sixth Wards it will be necessary to lay a 12-inch main beginning on Preston Avenue at the corner of Ninth Street to Houston Avenue, and Houston Avenue from Washington Street to White Oak bridge on same street and connecting all the existing lines thereto. This will require 6,600 feet of cast-iron pipe.

I also recommend that a 20-inch main be laid from Preston Avenue on Milam Street to Franklin Avenue, thence out Franklin Avenue to the eastern extremity to traverse what is known as the factory district. This main should then be syphoned under the Ship Channel to afford increased supply to the factories on the other side. This will give ample service to the district where many large factories are located and

where more will probably locate, and will give much greater pressure to the northeast section of the city.

The 20-inch main on Caroline Street should be extended from Webster Street to Eagle Avenue. This may then be used as a feeder for the mains now located in that populous district.

In addition to the above improvements it will be advisable to purchase 1,000 tons of 8-inch cast-iron pipe to be distributed to the different parts of the city where there are no water mains at present.

The fact that no dissatisfaction is expressed attests the popularity of the Water Department with the people of Houston whom it seeks to serve efficiently, courteously and impartially. Our efforts have been crowned with success and we have enlisted each patron into the ranks of those whose aim is to secure an abundant and pure supply of water at a nominal price.

The entire Water Department accepts this opportunity to extend thanks to the Mayor and Commissioners for the many courtesies shown them during the year.

Respectfully,

ROBERT L. JONES,
Chairman Water Committee.

HOUSTON, TEXAS, March 1, 1913.

HON. ROBERT L. JONES,

Chairman Water Committee, City of Houston.

DEAR SIR:—I beg to herewith submit to you my annual report on the operation of the Water Department for the fiscal year ending February 28, 1913.

The past year has been an uneventful one, no new departures were made from the routine that has prevailed for three years past.

Meters.

The work of metering the city was completed during April, 1912, which obliterated in its entirety the unjust Flat Rate plan. This work was commenced nearly three years ago

and was continued unremittingly until the above mentioned date.

The initial expense of inaugurating such an undertaking was necessarily great, but the returns both to the consumers and to this Department, have equalized this disadvantage. At present there are 9,497 meters in service, ranging in size from $\frac{5}{8}$ -inch to 8-inch.

New Mains.

Commencing June 2, last, work was begun on laying new mains which was continued throughout the year with the result that 864 feet of 4-inch, 550 feet of 6-inch and 25,268 feet of 8-inch cast-iron pipe was installed. Connected to these mains are 42 6-inch Columbia Fire Hydrants, together with nine installed in the down-town district, makes a total of 51 set for the year.

Inspection of Valves and Hydrants.

All fire hydrants and valves are given careful attention by a corps of men, assigned solely to this duty, who test them frequently, noting all irregularities on their operation and repairing or removing any hydrant or valve when necessary.

You will observe from the Chief Engineer's report that the plant proper is in splendid condition, fully equal to any demand on it within its rated capacity.

Fire Pressure.

Only one serious conflagration threatened us this year when on May 19, fire was discovered on one of the top floors of the Stowers Furniture Company's building, at Main and Capitol Streets, which had gained considerable headway before the alarm was given, and quickly spread to adjoining buildings, developing within a short time to a blaze of much intensity. In order to concentrate all pressure possible to the fire zone valves were closed at convenient corners to divert the flow of water from mains not then in use to the fire location. This greatly augmented the pressure at the

fire hydrants, with the result that excellent water service was available at all times during the fire.

Reduction of Pumpage.

Supplementing my prediction of last year that it was possible to further reduce pumpage when the city was entirely metered and willful waste was peremptorily stopped, I am pleased to state that the pumpage of this year has been reduced by thirty million gallons. When it is considered that under the old regime the yearly pumpage was over three and a half billion gallons and today, with a greatly increased population to serve, it is slightly over two billion gallons yearly, it is readily seen that the adoption of the Meter System together with a systematic waste detection policy was well worth serious contemplation.

Operating Expense.

The operating expense is \$9,081.69 in excess of the budget owing to a general increase in price of practically all supplies necessary for the maintenance of the plant and system. Our greatest increase in expense was attributable to the steady rise in the price of fuel oil. By the attached comparative table you will note that there has been an increase in price per barrel from March 1, 1911, to February 28, 1913, of 51.2%, while from March 1, 1912, to February 28, 1913, the increase is in excess of 41%. This accounts in an appreciable degree for the high operating cost this year.

It is unnecessary to comment on the appended tables, as each is self-explanatory and gives all information desired.

In conclusion, I take this opportunity of expressing my appreciation for past courtesies shown me by the Honorable Mayor and Board of Commissioners and those associated with me in the Water Department.

Respectfully,

JNO. B. WILLIAMS,
Superintendent.

BOND STATEMENT SHOWING INDEBTEDNESS TO DATE.

	Amount	Rate	Issued	Expires
Old Water Company....	\$ 467,000.00	6%	July, 1894	July, 1944
City purchase of Plant..	434,000.00	5%	July, 1906	July, 1946
Water main extension...	100,000.00	4½ %	Oct., 1908	Oct., 1938
Total	\$1,001,000.00			

COMPARATIVE STATEMENT OF REVENUE AND EXPENSE.

For the Fiscal Years Ending February 29, 1912, and February 28, 1913.
REVENUE.

Source	1913	1912	Increase or Decrease
Flat rates	\$ 3,835.50	\$41,817.20	**\$37,481.70
Meter rates	190,280.59	158,791.40	31,489.19
Meter rentals	45,228.23	31,911.75	13,316.48
Service connections	9,566.60	9,754.75	* 188.15
Bills for collection.....	3,116.90	9,396.40	* 6,279.50
Miscellaneous	626.15	481.14	145.01
Gross revenue	\$252,653.97	\$251,652.64	\$ 1,001.33
Discounts and allowances.....	9,765.21	17,116.85	* 7,351.64
Net revenue	\$242,888.76	\$234,535.79	\$ 8,352.97

EXPENSE.

	1913	1912	Increase or Decrease
A. Salaries at pumping station....	\$ 13,068.50	\$ 12,769.50	\$ 299.00
B. Fuel oil	21,355.00	16,703.30	4,651.70
C. Lub. oil, waste and packing....	1,480.39	1,471.44	8.95
D. Machinery repairs	523.35	3,156.40	* 2,633.05
E. Building repairs	779.04	2,034.98	* 1,255.94
F. Office salaries	18,321.60	16,736.00	1,585.60
G. Stationery and printing.....	2,712.93	2,513.75	199.18
H. Salaries at storeroom.....	3,392.50	3,517.75	* 125.25
I. Repairs to service connections.	6,151.24	5,723.51	427.73
J. Repairs to mains.....	4,866.44	2,500.61	2,365.83
K. Repairs to meters.....	3,004.85	1,595.65	1,409.20
L. Live stock, replacem't and keep.	1,491.31	1,481.31	60.00
M. Bond interest	54,220.00	54,220.00	.....
N. Other expense, general.....	12,714.56	8,447.97	4,266.59
Total	\$144,081.71	\$132,822.17	\$11,259.54
Permanent improvements	99,472.93	77,825.31	21,647.62
Total disbursements	\$243,554.64	\$210,647.48	\$32,907.16

*Decrease.

BUDGET.

For ordinary operation.....	\$ 80,000.00
For bond interest.....	55,000.00
Total	\$135,000.00
Operating expenses as above.....	144,081.69
Excess of operating expenses over Budget.....	\$ 9,081.69

MONTHLY CASH RECEIPTS.

For Years Ending February 29, 1912, and February 28, 1913.

Flat	Meter Rates	Meter Rates	Rental	Service Connections	Bills for Collection	Miscel- laneous	Penalties	Total
March	\$ 1,072.05	\$ 13,974.94	\$ 3,399.85	\$ 762.00	\$ 175.25	\$ 89.86	\$ 10.00	\$ 19,483.95
April	918.20	12,485.99	2,993.35	1,073.00	343.55	30.00	16.00	17,860.09
May	836.05	13,090.72	3,450.30	816.20	245.39	15.29	22.00	18,475.95
June	565.85	14,607.64	3,439.90	903.80	34.55	6.40	12.00	19,570.14
July	180.60	16,396.32	3,900.10	993.00	76.80	... .	22.00	21,568.82
August	414.25	16,317.43	3,900.45	733.00	33.85	... .	1.50	21,410.48
September	35.75	17,811.23	3,494.74	893.40	7.70	11.50	18.00	22,272.32
October	12.00	17,199.28	3,208.20	651.00	143.19	25.00	24.00	21,262.67
November	78.00	16,132.52	3,721.35	627.40	214.56	12.95	38.00	20,824.78
December	11.50	11,824.30	3,397.35	897.00	480.73	128.40	24.00	16,763.28
January .....	.... .	18,378.52	3,929.10	570.00	996.46	... .	22.00	23,896.08
February .....	.... .	14,153.29	3,335.60	778.00	40.00	14.30	10.00	18,331.19
Total	\$ 4,124.25	\$182,372.18	\$42,170.29	\$ 9,697.80	\$2,792.03	\$333.70	\$229.50	\$241,719.75
1911-12	42,189.72	154,953.58	30,478.85	9,761.40	9,814.03	348.05	.... .	247,545.63
Increase	\$ 27,418.60	\$11,691.44	\$ 63.60	\$7,022.00	\$ 14.35	\$229.50	\$ 39,339.54	\$ 45,165.42
Decrease	\$38,065.47	.....	.....	.....	.....	.....	.....	Net decrease.... \$ 5,825.88

COMPARATIVE TABLE—FUEL OIL.

1911-1912		1912-1913	
Date Received	Price per Bbl.	Date Received	Barrels Delivered Price
Mar. —	2,072.29	Freight	Amount
Mar. —	\$.82	\$ 1,860.17	\$ 26.95
April —	1,822.19	\$ 160.92	\$ 268.14
April —	.82	1,635.78	1,346.58
May —	602.33	141.63	1,342.95
June —	906.28	.82	
" 25.....	303.57	70.41	
July 11.....	1,199.09	.78	
" 27.....	611.72	.78	
Aug. 12.....	1,203.77	.73	
" 25.....	912.28	.80	
Sept. 11.....	1,223.83	.80	
" 22.....	912.25	.79	
Oct. —	2,522.83	.79	
Nov. —	902.37	.79	
Dec. —	2,073.76	.79	
Jan. 5.....	305.62	.79	
" 19.....	500.00	.83	
" 31.....	553.45	.85	
Feb. —	1,423.55	.85	
			Amount
			\$ 21,355.00
			—
Totals	20,057.18	Totals	20,694.27
			—
			Percentage of increase in price over last year, 51.2%.
			—

STATISTICS.

City census, 1912 (estimated).....	120,000
Net cost of Works to date.....	\$1,477,298.09
Bonded debt to date.....	\$1,001,000.00
Average rate of interest.....	5.416%
Water Works constructed.....	1879
Purchased by City.....	October, 1906

PUMPING STATISTICS.

Builders of machinery.. Worthington, Ingersoll-Rand, Nordberg, Hooker Fuel	Crude oil
Oil consumed for year.....	20,916.75 barrels
Static head against which pumps work.....	138 feet
Dynamic head against which pumps work.....	.30 inches
Total pumpage for year, with slippage.....	2,095,544,450 gallons
Average gallons of water pumped per barrel of oil.....	100,185 gallons
Cost of pumpage, figured on current expenses.....	\$144,081.71
Cost per million gallons.....	\$69.23

STATISTICS RELATING TO DISTRIBUTING SYSTEM.**Mains.**

Kind of pipe.....	Cast iron
Sizes.....	4 to 24 inches
Extended during year.....	26,674 feet
Discontinued	290 feet
Total miles now in use.....	.110.36
Cost of repairs per mile.....	\$44.24
Number of fire hydrants added during year.....	51
Number of fire hydrants now in use.....	940
Number of gate valves added during year.....	79
Number of gate valves now in use.....	1,131
Number of blow-offs.....	4
Range of pressure on mains.....	22 to 57 pounds

Services.

Kind of pipe.....	Lead, Galvanized Iron and Cast Iron
Sizes.....	.3/4-inch to 6-inch
Extended during year.....	10,114 feet
Discontinued	None
Total now in use.....	171,530 lineal feet
Average length of each service.....	.20 feet
Number added during year.....	542
Number now in use.....	8417
Number of flat rate consumers.....	None
Water passed through meters for—	Gallons
(A) Mercantile	217,521,320
(B) Manufacturing	414,961,980
(C) Residences	431,854,690
Total gallons	1,065,337,990
Water passed through connections for municipal, fire and charitable purposes (unmetered).....	1,030,207,830

MINERAL ANALYSIS OF WATER.

	Parts per Million	Grains per Imperial Gallon (70,000 grains.)
Calcium sulphate	19.3	1.35
Calcium carbonate	59.7	4.18
Magnesium carbonate	12.2	0.85
Sodium carbonate	143.7	10.06
Sodium chloride	81.8	5.73
	<hr/>	<hr/>
Total solids	316.7	*22.17

* Grains per imperial gallon.

BACTERIOLOGICAL ANALYSIS.

Well Numbers	Depths	Bacteria per c. c.	Colon Bacilli
34	700 feet	64	None
27	600 "	22	"
28	1300 "	27	"
29	500 "	18	"
30	900 "		
48-A }	{ 1200 "	14	"
33	120 "	23	"
32	564 "	48	"
21-B	314 "	49	"
31	800 "	40	"
		<hr/>	
		305	
		<hr/>	
Average.....		34	
		<hr/>	

Report of Water Furnished Free.

Water is furnished at the following places for which the Water Department receives no credit:

City Hall	Public Schools	For flushing Sewers
Parks	City Market	For fighting Fires
Fire Stations	Public Troughs	For City Stables
Police Stations	Charitable Institutions	For flushing Streets

Estimated cost to furnish water per year as above:

City Hall	\$ 600.00
Parks	800.00
Fire Stations	1,750.00
Police Stations	150.00
Public Schools	5,000.00
City Market	100.00
Public Troughs	250.00
Charitable Institutions	300.00
Sewer flushing	1,500.00
Fire hydrants (940 at \$24.00 per year)	22,560.00
City Stables	600.00
Street flushing	1,000.00
	<hr/>
Total	\$34,610.00

TABLE No. 1.

Meters Owned by City.

	5/8	3/4	1	1 1/2	2	3	4	6	8	Total
Owned previous to										
Feb. 29, 1912.....	6999	2456	614	160	101	16	16	3	1	10,366
Bought during year...	900	1000	51	...	31	4	..	..	..	1,986
Owned by City Feb.										
28, 1913.....	7899	3456	665	160	132	20	16	3	1	12,352

TABLE No. 2.

Number of Meters Set Monthly.

Month	Number Set	Number Taken Out	Net Gain
March	577	28	549
April	156	20	136
May	117	27	90
June	106	12	94
July	92	12	80
August	85	17	68
September	63	16	47
October	78	10	68
November	60	4	56
December	65	4	61
January	57	7	50
February	73	6	67
Totals	1,529	163	1,366

TABLE No. 3.

Sizes of City Meters in Service.

	5/8	3/4	1	1 1/2	2	3	4	6	8	Total
In use Feb. 29, 1912...	5673	1873	407	87	66	13	8	3	1	8,131
Set during year.....	1072	352	71	14	17	1	2	..	..	1,529
Set in exchange.....	108	75	45	9	7	..	..	..	..	244
Totals	6853	2300	523	110	90	14	10	3	1	9,904
Taken out, disconti'd..	117	33	7	1	5	..	..	..	..	163
Taken out, exchan'ed..	108	68	48	11	8	1	..	..	..	244
Totals	225	101	55	12	13	1	..	..	..	407
In ser've Feb. 28, 1913...	6628	2199	468	98	77	13	10	3	1	9,497

TABLE No. 4.
Kinds of City Meters in Service.

Kind	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{2}$	2	3	4	6	8	Total
Trident	5270	1729	303	80	33	..	..	..	..	7,415
Trident Crest.....	..	..	..	..	20	4	6	3	1	34
Trident Compound.....	..	..	..	..	1	..	1	..	..	2
Crown	147	10	32	2	7	..	..	..	..	198
Empire	48	222	52	..	..	..	..	..	..	322
Lambert	1147	233	71	17	7	..	..	..	..	1,475
Gem .....	..	..	..	..	9	9	3	..	..	21
Worthington	5	4	..	..	..	..	..	..	..	9
Miscellaneous	7	3	6	2	3	..	..	..	..	21
Totals	6624	2201	464	101	80	13	10	3	1	9,497

TABLE No. 5.
Meters on Hand (Not in Service).

$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{2}$	2	3	4	6	8	Total
1271	1257	197	62	55	7	6	..	..	2,855

TABLE No. 6.
Cost of Setting.

Size, Inches	Number Set	Cost of Meter	Average	Total	Total	Total Cost
			Cost of Setting	Average Cost	Cost of Setting	
$\frac{5}{8}$	1072	\$ 7.40	\$ 1.95	\$ 9.35	\$2,090.40	\$10,023.20
$\frac{3}{4}$	352	12.60	2.05	14.65	721.60	5,156.80
1	71	16.80	2.15	18.95	152.65	1,345.45
$1\frac{1}{2}$	14	30.00	2.55	32.55	35.70	455.70
2	17	40.00	2.80	42.80	47.60	727.60
3	1	80.00	4.20	84.20	4.20	84.20
4	2	160.00	8.65	168.65	17.30	337.30
Total	1529				\$3,069.45	\$18,130.25

EFFECT OF METERS ON CONSUMPTION.

Year	Number of Meters	Percentage of Consumers Metered	Average per Capita Pumpage	Population, City Census
1907.....	108	.015	141	73,017
1908.....	303	.04	122	79,464
1909.....	1903	.21	106	82,542
1910.....	4556	.48	82	95,930
1911.....	8131	.82	53	109,594
1912.....	9497	1.00	48	120,000

NEW MAINS LAID.

During Fiscal Year Ending February 28, 1913.

Location	Size of Mains		Hydrants No.	Valves- No. Size	Cost of Labor and Material	Cost per Foot
	4"	6"				
On Stevens, from Lorraine to Mills.....	456	..	1324	2 6"	\$ 316.17	\$.69
On Rosalie, from Engelke to Freund.....	274	.. 6"	1,462.77	1.10
On Freund, from Rosalie to Milby.....	155	1 6"	256.15	.94
On Milby, from Freund to Rotman.....	675	1 6"	250.35	1.61
On Rotman, from Milby to Schmidt.....	1882	2 6"	749.12	1.11
On Schmidt, from Rotman to German.....	598	1 6"	2,076.51	1.10
On German, from Schmidt to Milby.....	965	2 6"	706.00	1.18
On Tenth, from H. & T. C. R. to Dart.....	202	1 6"	1,564.95	1.07
On Dart, from Tenth to Beach.....	300	.. 6"	340.37	.62
On Beach, from Dart to Edwards.....	550	.. 6"	2,242.22	1.25
On Ware, from Tenth to Ware Lbr. Yard	309	1 6"	1,647.27	1.20
On McGowen, from Helena to Baldwin.....	1300	2 6"	1,475.73	1.12
On Parker, from Webster to McGowen.....	178	.. 6"	5,318.22	1.14
On Baldwin, from Webster to Parker.....	1375	2 5"	858.42	1.21
On Sherman, from Andrew to Arnold.....	1324	1 6"	312.31	.77
On Jefferson, from Dowling to Live Oak, thence to Leeland..... 6"	..	..
On Lottman, from Runnels to the Bayou	708	2 6"	..	..
On Ann, from Lottman to Flynn.....	408	..	..	1 4"	..	..
On Walker, from Milby to City limits	4660	8 6"	..	..
On German, from Milby to Sampson.....	1170	1 6"	1,286.42	1.11
On Gentry, from Henry to Boundary, thence to Montgomery to Carl.....	3229	6 6"	3,659.72	1.13
On Cochran, from Campbell, thence to Morris, to Hardy.....	2140	2 6"	2,342.43	1.09
On Austin, from McKinney to Leeland 6"	..	..
Totals	864	550	2500	25,268
Grand total feet of pipe laid	3,471.62	26,682

SIZES AND LENGTHS OF MAINS IN SERVICE.

Size	Lineal Feet	Miles
2 inch	2,100	.40
2½ "	800	.15
4 "	24,550	4.65
5 "	650	.12
6 "	137,050	25.96
8 "	345,130	65.36
10 "	2,300	.44
12 "	57,150	10.82
20 "	9,350	1.77
24 "	3,650	.69
Total.....	582,730	110.36

NEW HYDRANTS SET DURING YEAR.

Location	Number	Size	Openings	Kind
N.W. corner Rosalie and Bering.....	1	6	3	Columbia
S.W. corner Freund and Rosalie.....	1	6	3	"
N.E. corner Milby and Rotman.....	1	6	3	"
N.W. corner Rotman and Schmidt....	1	6	3	"
N.E. corner Cleveland and Sherman...	1	5	3	Mathew
N.E. corner Gray and Sherman.....	1	5	3	"
S.E. corner McGowen and Helena....	1	6	3	Columbia
S.W. corner Baldwin and Parker.....	2	6	3	"
S.W. corner Live Oak and Jefferson...	1	6	3	"
S.E. corner Lottman and Ann.....	1	6	3	"
Runnels and the Bayou... 1		6	3	"
S.E. corner Walker and first street from Milby.....	1	6	3	"
S.W. corner Walker and third street from Milby.....	1	6	3	"
S.E. corner Walker and fifth street from Milby.....	1	6	3	"
S.E. corner Eastwood and Walker....	1	6	3	"
S.E. corner Linwood and Walker....	1	6	3	"
S.E. corner Maplewood and Walker....	1	6	3	"
S.E. corner Elmwood and Walker....	1	6	3	"
S.W. corner Dumble and Walker.....	1	6	3	"
N.W. corner Kessler and Tenth.....	1	6	3	"
S.E. corner Beach and Dart.....	1	6	3	"
S.W. corner Main and Walker.....	1	6	4	"
S.E. corner Milam and Walker.....	1	6	4	"
N.E. corner Preston and Fannin....	1	6	4	"
N.W. corner Preston and Crawford....	1	6	4	"
S.E. corner Fannin and Commerce....	1	6	3	"
N.E. corner San Jacinto and Walker..	1	6	4	"
N.E. corner Preston and Austin.....	1	6	4	"
N.W. corner Washington and Sixth....	1	6	4	"
N.W. corner Washington and Eighth...	1	6	4	"
N.W. corner Preston and Jackson.....	1	6	4	"
Corner Liberty and Maury.....	1	6	4	"
Corner Audubon Pl. & Hawthorne	1	6	3	"
Corner Audubon Pl. and Kipling..	1	6	3	"
Corner Audub'n Pl. & W. Al'bama	1	6	3	"

NEW HYDRANTS SET DURING YEAR—Continued.

Location	Number	Size	Openings	Kind
S.W. corner Flynn and Ann.....	1	4	3	Mathew
S.W. corner German and Hutcheson...	1	6	3	Columbia
N.W. corner Quitman and Gentry.....	1	6	3	"
N.W. corner Quitman and Morris.....	1	6	3	"
N.W. corner E. Mont'g'y and Boundary	1	6	3	"
S.W. corner Gentry and Boundary.....	1	6	3	"
N.W. corner Everett and Boundary....	1	6	3	"
N.E. corner Montgom'ry and Boundary	1	6	3	"
S.E. corner Cochran and Morris.....	1	6	3	"
S.W. corner Chapman and Morris.....	1	6	3	"
S.W. corner Austin and Lamar.....	1	6	3	"
N.W. corner Austin and Dallas.....	1	6	3	"
N.W. corner Austin and Polk.....	1	6	3	"
S.W. corner Austin and Clay.....	1	6	3	"
N.E. corner Austin and Bell.....	1	6	3	"

NEW VALVES SET DURING YEAR.

Location	Num- ber	Size Inch	Kind
S.E. cor. McGowen and Helena.....(Hyd. Br.)	1	6	Columbia
S.W. cor. Baldwin and Parker.....	"	2	"
S.W. cor. Live Oak and Jefferson.....	"	1	"
S.E. cor. Lottman and Ann.....	"	1	"
S.E. cor. Runnels and Bayou.....	"	1	"
S.E. cor. Walker and first street from Milby	"	1	"
S.W. cor. Walker and third street from Milby	"	2	"
S.E. cor. Walker and fifth street from Milby	"	1	"
S.W. cor. German and Hutcheson.....	"	1	"
N.W. cor. Quitman and Gentry.....	"	1	"
N.W. cor. Quitman and Morris.....	"	1	"
N.W. cor. E. Montg'ry and Boundary..	"	1	"
S.W. cor. Gentry and Boundary.....	"	1	"
N.W. cor. Everett and Boundary.....	"	1	"
N.E. cor. Montgomery and Boundary..	"	1	"
S.W. cor. Morris and Chapman.....	"	1	"
S.E. cor. Morris and Cochran.....	"	1	"
S.E. cor. Eastwood and Walker.....	"	1	"
S.E. cor. Linwood and Walker.....	"	1	"
S.E. cor. Elmwood and Walker.....	"	1	"
S.W. cor. Dumble and Walker.....	"	1	"
S.W. cor. Austin and Lamar.....	"	1	"
N.W. cor. Austin and Dallas.....	"	1	"
N.W. cor. Austin and Polk.....	"	1	"
S.W. cor. Austin and Clay.....	"	1	"
S.W. cor. Stevens and Mills.....	1	4	Crane
N.W. cor. Engelke and Rosalie.....	1	8	"
S.W. cor. Rosalie and Fox.....	1	8	"
N.E. cor. Milby and Rotman.....	1	8	"
S.E. cor. Schmidt and Rotman.....	1	8	"
N.E. cor. Street Car Barn.....	1	8	"

NEW VALVES SET DURING YEAR—Continued.

Location	Num- ber	Size Inch	Kind
N.E. cor. German and Schmidt.....	1	8	Crane
S.E. cor. German and Milby.....	1	8	"
S.W. cor. Railroad and Tenth.....	1	8	"
S.W. cor. Ware and Tenth.....	1	8	"
S.W. cor. Ware and Tenth.....	1	6	Eddy
N.W. cor. Beach and Dart.....	1	8	Crane
N.E. cor. Edwards and Maple.....	1	6	Eddy
S.W. cor. Andrew and Sherman.....	1	8	"
N.W. cor. Victor and Sherman.....	1	8	Crane
N.W. cor. Arnold and Sherman.....	1	8	"
S.W. cor. Orriene and German.....	1	8	"
S.W. cor. Baldwin and Webster.....	1	8	"
N.E. cor. McGowen and Helena.....	1	8	"
S.W. cor. McGowen and Baldwin.....	1	8	"
S.W. cor. Dowling and Jefferson.....	1	8	"
N.W. cor. Live Oak and Jefferson.....	1	8	Eddy
S.W. cor. Live Oak and Leeland.....	1	8	"
N.W. cor. Lottman and Runnels.....	1	8	"
N.E. cor. Lottman and Ann.....	1	4	Crane
S.E. cor. Milby and Walker.....	1	8	Smith
N.W. cor. Flynn and Ann.....	1	4	Crane
S.E. cor. Eastwood and Walker.....	1	8	Eddy
S.E. cor. Maplewood and Walker.....	2	8	"
S.W. cor. Travis and Polk.....	1	8	Columbia
S.W. cor. San Jacinto and McGowen.....	1	8	Crane
N.E. cor. Preston and Milam.....	1	12	"
S.W. cor. Travis and Pease.....	1	8	"
S.E. cor. German and Sampson.....	1	8	Eddy
N.W. cor. Gentry and Henry.....	1	8	"
S.W. cor. Gentry and Boundary.....	1	8	Crane
N.W. cor. Gentry and Boundary.....	1	8	"
N.E. cor. Montgomery and Boundary..	1	8	"
N.E. cor. Campbell and Cochran.....	1	8	"
S.E. cor. Morris and Cochran.....	1	8	"
S.E. cor. Morris and Chapman.....	1	8	"
S.W. cor. Hardy and Morris.....	1	8	"
S.W. cor. McKinney and Austin.....	1	8	"
N.W. cor. Lamar and Austin.....	1	8	"
S.W. cor. Lamar and Austin.....	1	8	"
N.W. cor. Dallas and Austin.....	1	8	"
S.W. cor. Dallas and Austin.....	1	8	"
N.E. cor. Dallas and Austin.....	1	8	"
N.W. cor. Clay and Austin.....	1	8	"
S.W. cor. Clay and Austin.....	1	8	"
N.W. cor. Leeland and Austin.....	1	8	"

SERVICE CONNECTIONS INSTALLED DURING YEAR.

Number	Size, Inches	Average Length, Feet	Purpose Used for
364	¾	19	Domestic
100	1	18	"
19	1¼	18	"
16	1½	21	"
32	2	20	Domestic and School
1	2½	8	School
3	3	7	Fire and Mercantile
5	4	18	" " "
2	6	12	Fire

542

Total number installed for year..... 542
 In service year ending February 29, 1912..... 7,875

Total number in service year ending February 28, 1913..... 8,417

OLD HYDRANTS REPLACED BY NEW.

Location	New			Old		
	No.	Size	Kind	No.	Size	Kind
Travis and Prairie.....	1	5	Mathew	1	4	Mathew
Main and Walker.....	1	6	Columbia	1	4	"
Main and Preston.....	1	6	"	1	4	"
Main and Capitol.....	1	6	"	1	5	"
Main and Commerce.....	1	6	"	1	6	"
Main and Hadley.....	1	6	"	1	3	McLean
Travis and Dallas.....	1	6	"	1	3	"
Travis and Clay.....	1	6	"	1	3	"
Travis and Leeland.....	1	6	"	1	3	"
Main and Clay.....	1	6	"	1	3	"
Sterrett and Richey.....	1	6	"	1	3	"

HYDRANTS DISCONTINUED.

Main and Dallas.....	1	4	Mathew
Baker and Pine.....	1	4	"
Austin and Lamar.....	1	4	"
Austin and Dallas.....	1	4	"

MAINS DISCONTINUED.

On Pine Street, between Baker and Railroad Streets.... 290 feet 8-inch

MAINS RELAID.

On Franklin Avenue, between Austin and LaBranch Streets, replaced 270 feet 6-inch with 8-inch, account electrolysis.

RECORD OF INSPECTIONS.

Toilets found leaking.....	333
Pipes leaking underground.....	35
Private stop cocks leaking.....	5
Risers leaking	2
Faucets leaking in bath rooms.....	5
Auto syphon pumps leaking.....	3
Faucets leaking in wash basins.....	2
Places inspected and no leaks found.....	214
Hydrants allowed to run while not in use.....	2
<hr/>	
Total inspections	601

RULE 57. That from and after the first day of August, A. D. 1910, the monthly charge for meter rentals by the Water Department of the City of Houston shall be as follows:

For each meter having a $\frac{5}{8}$ -inch up to and including $\frac{3}{4}$ -inch connection, fifty cents (50c) per month.

For each meter having a 1-inch connection, seventy-five cents (75c) per month; provided that the monthly payments herein specified shall be applied to the cost of purchasing and setting said meters, and that when the sum of monthly payments shall equal the cost to the City of furnishing and setting the meter, they shall not be required to pay other or further monthly rentals; and provided, further, that persons whose connections have been metered prior to the first day of August, A. D. 1910, and who have been paying monthly meter rentals on connections 1-inch or less in diameter, shall be entitled to the benefits of this ordinance, and shall, when the total monthly rentals equal the cost of procuring and placing a meter, not be required to pay other or further monthly rentals. But the meter and connections in either case shall remain the property of the City of Houston, as heretofore; and provided further, that the minimum charge per month for water furnished by meter shall be fifty cents (50c).

That all connections larger than 1-inch shall be metered at the immediate expense of the owner of the property served, and shall be paid for in advance, both as to cost of meter and cost of setting same, in accordance with Rule 36 of an ordinance passed by the City Council on the 29th day of October, A. D. 1906.

RULE 58. Rates to be charged monthly by the Water Department of the City of Houston for water service, shall hereafter read as follows:

METER CHARGES.

For all water passing through the meter up to—

1,000,000 gallons.....	15c per 1000 gallons
1,000,000 to 5,000,000 gallons.....	14c per 1000 gallons
5,000,000 to 10,000,000 gallons.....	12c per 1000 gallons
10,000,000 to 15,000,000 gallons.....	11c per 1000 gallons
15,000,000 to 20,000,000 gallons.....	10c per 1000 gallons
20,000,000 gallons or more.....	9c per 1000 gallons

That tapping charges shall hereafter be as follows:

For $\frac{3}{4}$ -inch connection.....	\$ 14.00
For 1 -inch connection.....	16.00
For $1\frac{1}{4}$ -inch connection.....	20.00
For $1\frac{1}{2}$ -inch connection.....	25.00
For 2 -inch connection.....	35.00
For $2\frac{1}{2}$ -inch connection.....	40.00
For 3 -inch connection.....	60.00
For 4 -inch connection.....	80.00
For 6 -inch connection.....	100.00

CHARGES FOR REPAIRING STREETS.

Brick pavement	\$5.00 per connection
Asphalt pavement	4.40 per connection
Gravel pavement	2.00 per connection
Shell pavement	2.00 per connection

HOUSTON, TEXAS, March 1, 1913.

HON. ROBERT L. JONES,
Chairman Water Committee.

DEAR SIR:—I respectfully submit to you my annual report of the work done under my supervision for the year ending February 28, 1913.

All machinery was thoroughly inspected and each defect noted and immediately repaired. The result is all pumps, air compressors, etc., are capable of doing full duty when required.

The available supply of water remains undiminished and with the replacing of strainers in some of the larger wells the supply may be increased considerably. Many of the strainers are choked with sand which obstructs the flow of water to a great extent.

In connection with the general improvements now under way it was necessary to lay 225 feet of 12-inch drain pipe and construct one concrete catch basin. This makes the drainage of the property perfect.

Many minor improvements were made, including new concrete covers over several receiving tanks, building tool rooms for the construction forces, etc.

The plant as a whole is in splendid condition and no fear need be felt in regard thereto.

Respectfully,

C. G. BYRNE,

Chief Engineer.

PUMPING RECORD.

Pumping from Receiving Tanks to Standpipe.

CAPACITY OF ENGINES.

No. 1, Worthington .....	.....	5,000,000 gallons
No. 2, Worthington .....	.....	8,000,000 "
No. 3, Nordberg .....	.....	15,000,000 "

	Gallons Pumped			Total	Suction
	No. 1	No. 2	No. 3	Monthly Pumpage	Lift Feet
March	23,690,520	138,942,330		162,632,850	8
April	2,625,840	163,556,480		166,182,320	8
May	244,440	189,097,740		189,342,180	8
June	11,080,440	172,091,450		183,171,890	8
July	1,752,200	181,119,030		182,871,230	8
August	5,847,740	190,013,780		195,861,520	8
September	9,225,280	178,733,450		187,958,730	8
October	958,080	182,439,130		183,397,210	8
November	3,411,760	166,788,150		170,197,910	8
December	853,440	161,400,600		162,254,040	8
January	1,704,340	169,268,600		170,972,940	8
February	2,512,060	138,189,570		140,701,630	8
Total	63,906,140	2,031,638,310		2,095,544,450	
1911	6,889,080	248,062,460	1,871,029,980	2,125,981,520	
Increase .....	.....	.....	160,608,330	.....
Decrease	6,889,080	184,156,320	.....	30,437,070	

MAXIMUM AND MINIMUM PUMPAGE.

Month	Maximum Pumpage Gallons	Month	Minimum Pumpage Gallons
Mar. 30, 1912	5,790,230	Mar. 17, 1912	4,746,250
April 23, "	6,066,250	April 7, "	4,555,300
May 19, "	7,536,570	May 12, "	5,213,960
June 26, "	6,774,830	June 2, "	5,249,940
July 31, "	6,713,940	July 21, "	5,308,060
Aug. 8, "	7,018,380	Aug. 4, "	5,368,200
Sept. 14, "	6,749,960	Sept. 29, "	5,488,200
Oct. 4, "	6,658,590	Oct. 6, "	5,305,290
Nov. 18, "	6,154,910	Nov. 3, "	4,984,230
Dec. 17, "	5,504,550	Dec. 29, "	4,704,180
Jan. 8, 1913	6,990,690	Jan. 26, 1913	4,499,950
Feb. 18, "	5,460,270	Feb. 23, "	4,460,270

RUNNING TIME OF ENGINES IN HOURS.

Month	Pumping Engines			Air Compressors	
	No. 1	No. 2	No. 3	No. 1	No. 2
March	106	638		466	278
April	12	708		635	85
May	125	619		11	733
June	37	683		16	704
July	7	737		18	726
August	25	719		5	739
September	36	684		8	712
October	4	740		..	744
November	12	708		..	720
December	3	741		480	264
January	8	736		576	168
February	9	663		424	248
Total	384	8376		2639	6121
1911	78	1021	7620	3719	5075
Increase .....	..	..	756	..	1046
Decrease	78	637	..	1080	..

TEMPERATURE OF WATER TAKEN JULY 17, 1912.

1330 Foot Strata.....	Temperature	83	degrees
1305 " "	"	83	"
1199 " "	"	82	"
926 " "	"	79	"
830 " "	"	78	"
814 " "	"	78	"
773 " "	"	78	"
732 " "	"	77	"
635 " "	"	77½	"
510 " "	"	76	"
234 " "	"	73	"

Atmosphere, 86 degrees.

DESCRIPTION OF PUMPING ENGINES AND BOILERS.

Kind	Type	Steam Cylinders	Water Plunger	Rev. per Minute	Stroke	Pressure Pounds,	Connections, Suct.	Diameter, Disch.	Daily Capacity
Nordberg.....	Horizontal, crank and fly-wheel duplex, double acting	26x58	21 $\frac{3}{4}$	48	37 $\frac{1}{2}$	125	36	30	15,000,000
Worthington.....	Horizontal, compound, high duty, condensing, duplex, double acting	23x46	23 $\frac{1}{2}$	38	21 $\frac{1}{2}$	125	20	20	8,000,000
Worthington.....	Horizontal, compound, condensing, duplex, double acting	21x36	23	36	19	125	60	20	5,000,000
Worthington.....	Horizontal, compound, condensing, duplex, double acting	16x28	16	16	25	125	16	12	2,000,000
Worthington.....	Horizontal, simple, non-condensing, duplex, double acting	18	14	10	26	125	16	12	1,000,000
Hooker-Colville.....	Horizontal, simple, non-condensing, duplex, double acting	16	14	12	26	125	10	8	1,200,000

BOILERS.		Number	Heating Surface	Horsepower Each	Fuel Used
Kind	Type				Crude oil
Heine.....	Horizontal, water tube.....	3	2,500	290	" "
Heine.....	" " "	3	1,350	150	" "
Heine.....	" " "	1	1,125	125	" "
Heine.....	" " "	2	900	100	" "

BOILER FEED PUMPS, FEED WATER HEATERS AND STEAM HEADER.

Kind	Type	Size	Number	Kind	Type	Horsepower
					Cochran feed water heater....	Open....
Boiler feed pump.....	Outside packed plungers.	.12x6x10	1			
Boiler feed pump.....	Outside packed plungers.	.10x4½x10				1000

One steam header 97 feet long in connection with 8" loop.

Record of Wells.

Well Number	Diameter of Well (Inches)	Depth of Well (Feet)	Date Well Was Fished	Kind of Strainer	Size of Strainer (Inches)	Length of Strainer (Feet)	Approximate Water in 24 Hours	Depth for Air	Date Well Was
* 1	15	140	June 15, 1888	Cook	8	18	Abandoned	"	
** 2	6	140	July 10, 1888	None	0	0	"		
** 8	6	129	July, 1888	"	0	0	62,000		
* 9	8	312	Mar. 20, 1889	Cook	6	21	None		
* 11	6	129	July, 1889	None	0	0	25,000		
* 12	4	328	Aug. 1, 1911	Cook	2½	28	Abandoned		
* 15	8	460	July, 1891	"	6	18	300,000		
16	6	460	April,	"	6	22	300,000	June 5, 1899	87,840
17	8	464	July,	"	6	22	173,000	June 12, 1899	43,200
* 18	6	115	Aug.,	"	6	21	Abandoned	Nov. 27, 1899	241,200
19	8	493	Sept.,	"	6	26	170,000	Nov. 29, 1899	"
20	4	18	1891	"	4	18	160,000	Nov. 29, 1899	150,000
21	8	314	July,	"	5	39	132,000	June 19, 1910	950,000
22	8	703	Sept.,	"	6	28	1,110,000	June 18, 1910	450,000
* 23	8	692	Nov.,	"	0	0	400,000	Abandoned	
24	6	192	Nov.,	"	6	45	332,000	Dec. 7, 1899	
25	6	204	Nov.,	"	4	45	195,000	Dec. 7, 1899	34,560
26	8	802	Oct.,	"	6	20	390,000	* Jan. 16, 1899	28,800
27	6, 8	1,177	Feb.,	"	4½	47	156,000	Nov. 14, 1899	583,200
28	8	814	Aug.,	"	6	41	95,000	Nov. 23, 1899	158,200
29	10	477	Oct. 5, 1895	"	8	25	200,000	Nov. 18, 1900	56,160
30	12, 8	1,165	Nov. 11, 1895	"	6	41	600,000	Nov. 23, 1900	207,360
31	8	317	Nov. 10, 1895	"	6	41	210,000	Nov. 20, 1900	273,600
32	12	319	Dec. 10, 1895	"	8	20	30,000	Dec. 30, 1900	"
33	10	823	Jan. 3, 1896	"	8	41	280,000	Jan. 2, 1900	30,800
34	9	1,185	Feb. 15, 1896	"	7	42	345,000	Jan. 3, 1900	115,200
35	12, 8	1,171	Apr. 3, 1896	"	6	42	654,000	Dec. 27, 1899	518,400

Record of Wells—Continued.

Record of Wells—Continued.

Well Number	Diameter of Well (Inches)	Depth of Well (Feet)	Date Well Was Finished	Kind of Strainer	Size of Strainer (Inches)	Length of Strain- er (Feet)	Flow of Water in 24 Hours	Approximate Flow of Water in 24 Hours	Date Well Was Plated for Air	Natural Flow of Water in 24 Hours Before Air Was Applied	Flow of Water in 24 Hours With Air Present Time	Flow of Water at Present Time Without Air	Approximate Flow of Water at Present Time	Flow of Water Without Air Present Time	Without Air Present Time	Flow of Water at Present Time	Without Air Present Time	Diameter of Central Water Pipe	Depth of Air Pipe (Feet)	Diameter of Cen- tral Water Pipe (Inches)	Depth of Air Pipe (Feet)	Diameter of Air Pipe (Inches)
2	8	1,199	Feb. 2, 1905	Gause	6	65	115,000	Jan. 28, 1907	115,000	345,200	60,500	280,000	123	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$			
3	8	926	Mar. 29, 1905	"	6	67	160,000	Jan. 28, 1907	171,310	498,200	82,600	300,000	123	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$			
4	8	773	Apr. 10, 1905	"	6	72	110,000	Jan. 28, 1907	110,000	434,880	45,000	365,000	123	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$			
5	8	510	Apr. 22, 1905	"	6	52	100,200	Jan. 28, 1907	100,200	499,100	27,000	325,000	123	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$			
6	8	234	May 5, 1905	Wire	8	60	None	Jan. 28, 1907	None	500,000	None	200,000	122	1 $\frac{1}{4}$	1 $\frac{1}{4}$	1 $\frac{1}{4}$	1 $\frac{1}{4}$	1 $\frac{1}{4}$	1 $\frac{1}{4}$			

NOTE—Air was applied to wells in 1899.

* Wells Nos. 1, 2, 8, 9, 11, 12, 15, 18, and 23 abandoned before air was applied.

† Nos. 35 and 40 abandoned account of strainer breaking.

‡ No. 47 Test Well. No water found.

¶ 41 None, filled with sand.

ANNUAL REPORT

OF

W. J. KOHLHAUFF,
CHAIRMAN FIRE COMMITTEE,

For the Year Ending February 28, 1913.

REPORT OF FIRE COMMITTEE.

HOUSTON, TEXAS, March 1, 1913.

To THE HONORABLE H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—I herewith present to you my annual report as Fire Commissioner for the fiscal year ending February 28th, 1913, in accordance with the provisions of the City Charter.

During the past year a great deal of new and up-to-date fire-fighting apparatus has been added to the Department. This began to arrive in August, and consists of a 75-foot aerial ladder truck with a water tower attached. The value of this truck was clearly demonstrated at the Krupp & Tuffly fire. This was the first time the aerial truck was called into service, and did much to save the building.

We have also received a water tower. This tower can be raised to 65 feet and throws two streams. Each of these streams can be thrown through a 2-inch nozzle, and each nozzle will furnish 1,800 gallons of water per minute—a total of 3,600 gallons per minute.

The automobile service truck we received early in September, and its value in arriving early at a fire has been clearly proven to every citizen.

One of the most valuable, if not the most valuable, additions to the Department is the automobile combination hose wagon and pumper. This apparatus has a capacity of 700 gallons of water per minute and carries 1,000 feet of hose, taking the place of two machines—a hose wagon and a steamer—and does away with four horses. On arriving at a fire this pumper is ready to go to work immediately, as no time is lost in raising steam, which generally takes from eight to ten minutes. All that is required is the change of gear from running the machine to the fire to the pump gear. This takes no time at all.

A new fire station has been built on Berry and Louisiana

Streets, and fully manned and equipped. A service truck has been added to Company No. 7, on Milam Street. This was very necessary owing to the many two-story buildings in the South end of the city. Previous to placing this truck there the truck from Central Station made these runs, and owing to the distance they were compelled to cover much time was lost in reaching fires.

A very disastrous fire occurred on the morning of May 19 last, starting in the Stowers building and entirely destroyed it and the Mason building, Masonic Temple and the Latham building, entailing a loss of about \$303,263.50. The Stowers building had always been considered a very dangerous one from a fire standpoint, being six stories high, and with the exception of the four outer brick walls, all the inside was of wood construction, and packed from bottom to top with inflammable stuff. This building was built under a former administration when the fire limit laws were not so strict. Such a building as this can not now be built if our building code is strictly enforced, and from the character of buildings now being built it must be clear to every one that I am enforcing the building laws.

At this fire one of the oldest and best firemen in the Department lost his life—Captain Herman Wagner of No. 8. He was one of the most faithful firemen in the service, and his taking away was deeply deplored by his associates and many friends in the city.

Recommendations.

I recommend the erection of three more fire stations. One should be built in the neighborhood of Jackson Street and McGowen Avenue, one near the north end of Hardy Street, and one at or near the corner of San Felipe and Heiner Streets. These fire stations should be built as soon as possible and equipped with modern up-to-date automobile fire-fighting apparatus. When these stations are built every part of the city will be amply protected for some years to come.

I will again call your Honor's attention to the necessity

of a fire boat. As I stated in my last annual report and as you well know, on the banks of the bayou are being built very rapidly many large industrial plants. These plants could be better reached by a fire boat than by the fire department; but with the use of both they would be amply protected.

Owing to the increased cost of the necessities of life and the high house rents I recommend an increase in the salaries of the firemen.

I also recommend that the city furnish and pay for the uniforms of the firemen. This is a very important recommendation and should receive your earnest attention. Discipline in the Fire Department demands that the men keep themselves neat and tidy. It is not always possible for them to change their good clothes for old ones when they are called out to fight a fire, and in many instances their suits are ruined. For this reason I heartily recommend that the city furnish them with uniforms.

I again call attention to the necessity of about 50 more fire alarm boxes.

Very respectfully submitted,
W. J. KOHLHAUFF,
Fire Commissioner.

Comparative Statement of Alarms and Number of Men Employed.

Year	Number of Men Employed	Number of Alarms
1898.....	55	226
1899.....	55	259
1900.....	60	298
1901.....	62	297
1902.....	59	300
1903.....	61	258
1904.....	65	391
1905.....	65	364
1906.....	65	396
1907.....	65	498
1908.....	83	636
1909.....	100	709
1910.....	104	599
1911.....	105	485
1912.....	129	587

Fire Alarms During the Fiscal Year Ending February 28, 1913.

Month	Box Alarms	Telephone Alarms	Total Alarms	A.M. Alarms	P.M. Alarms
March, 1912.....	15	75	90	33	57
April, "	9	29	38	17	21
May, "	12	24	36	9	27
June, "	10	31	41	18	23
July, "	11	32	43	26	17
August, "	9	22	31	9	22
September, "	12	29	41	12	29
October, "	14	22	36	16	20
November, "	13	42	55	16	39
December, "	11	44	55	20	35
January, 1913.....	10	59	69	31	38
February, "	9	43	52	16	36
Totals	—	—	—	—	—
	135	452	587	223	364

Character of Buildings Damaged During the Fiscal Year Ending February 28, 1913.

Month	Frame Buildings	Brick Buildings	Other Than Buildings
March, 1912.....	85	3	..
April, "	34	2	..
May, "	28	9	..
June, "	36	2	..
July, "	35	5	..
August, "	29	2	..
September, "	36	1	..
October, "	23	5	8
November, "	53	..	2
December, "	42	2	1
January, 1913.....	58	2	3
February, "	51	1	..
Totals	—	—	—
	510	34	14

Insurance Statistics.

Value of buildings.....	\$1,551,363.00
Value of stock, furniture and fixtures.....	1,331,889.75
 Total value of property involved.....	\$2,883,252.75
 Insurance on buildings.....	\$1,150,063.00
Insurance on stock, furniture and fixtures.....	945,317.00
 Total insurance on buildings and contents.....	\$2,095,380.00
 Damage to insured buildings.....	\$ 399,070.48
Damage to uninsured buildings.....	8,066.75
Damage to uninsured stock, furniture and fixtures.....	567,555.07
 Total damage to buildings, stock, furniture, fixtures....	\$ 974,692.30

**Services Performed by the Fire Department During the Fiscal Year
Ending February 28, 1913.**

Company	Fires Attended	Miles from Station	Feet Hose Used	Feet Ladder Used	Gallons Chemical Used	Time at Work
Chief's Auto .....	.....	.....	.....	.....	.....	.....
Chemical Auto, No. 1....	184	187½	12,300	100	2,550	85¼
Hose Co. No. 1.....	174	107	31,750	.....	458	170¼
Hose Co. No. 2.....	81	111¾	21,650	485	120	125¾
Hose Co. No. 3.....	94	80½	18,600	340	36	76½
Hose Co. No. 4.....	4	4¾	350	.....	.....	2¾
Hose Co. No. 5.....	142	123½	22,950	743	66	146½
Hose Co. No. 6.....	67	67¾	15,200	336	54	81¾
Hose Co. No. 7.....	152	141	38,350	300	90	164½
Hose Co. No. 8.....	226	238½	44,550	818	57	203¾
Hose Co. No. 9.....	100	127½	16,150	288	90	93¼
Hose Co. No. 10.....	181	156	30,500	336	45	123¾
Steamer Co. Extra No. 1.	122	63¼	.....	.....	.....	.....
Steamer Co. No. 2.....	54	67	.....	.....	.....	75¼
Steamer Co. No. 4.....	.....	.....	.....	.....	.....	No Runs
Steamer Co. No. 5.....	92	86¼	.....	.....	.....	115¾
Steamer Co. No. 6.....	43	38¾	.....	.....	.....	49½
Steamer Co. No. 7.....	101	89¾	.....	.....	.....	127½
Steamer Co. No. 8.....	142	126½	.....	.....	.....	124½
Steamer Co. No. 9.....	55	64¼	.....	.....	.....	63¼
Steamer Co. No. 10.....	123	101½	.....	.....	.....	85¾
Chemical No. 3.....	139	103¾	7,350	18	2,130	87¾
Aerial Truck No. 1.....	9	3½	.....	283	6	19¼
Old Aerial Truck No. 1.....	.....	.....	.....	.....	.....	In Res've
Auto Truck No. 1.....	173	183¾	.....	3,175	1,200	96¾
Hook & Ladder No. 1....	192	200¾	.....	3,849	57	90¾
Hook & Ladder No. 7....	5	5	.....	53	.....	5
Hook & Ladder No. 9....	136	188½	.....	2,879	45	125¾
Water Tower No. 1.....	.....	.....	.....	.....	.....	No Runs
Hose Reel in Re've No. 11	.....	.....	.....	.....	.....	No Runs
Steamer Co. No. 1.....	8	7¼	.....	.....	.....	31
Auto Pumper and Hose Wagon No. 6.....	101	101	14,650	240	26	82¼
Fire Commissioner's Auto	....	.....	.....	.....	.....	.....
Totals	2,900	2,774½	274,350	14,243	5,950	2,560¾

Cost of Maintaining and Operating the Fire Department for the Fiscal Year Ending February 28, 1913.

Salaries	\$102,165.85
Repairs and renewals of buildings.....	1,796.37
Repairs and renewals of furniture and bedding.....	588.70
Repairs and renewals of equipment.....	22,754.94
Live stock (renewals and maintenance).....	9,031.46
Fuel for engines.....	1,824.84
Lubricants and other engine supplies.....	973.30
Chemicals	662.25
Light and heat.....	2,992.88
Stationery and printing.....	415.90
Other	2,677.90
Grand Total	\$145,884.48

Water Hydrants.

Number of Fire Hydrants in the City, 940. 51 new hydrants were installed in the past year.

Horses and Mules in Service.

Number of horses and mules in service, year ending February 28, 1913: 53 horses, 2 mules; total, 55.

Apparatus.

We have thirty-five in service, located at the various Stations, as follows:

Kind of Apparatus	No.	Location
1 Chief's Automobile	1	Central Station
1 Combination Hose Wagon (steel).....	1	Central Station
1 Extra 1st size Metropolitan Steamer.....	1	Central Station
1 Chemical Automobile	1	Central Station
1 LaFrance Automobile Hook & Ladder Truck 1	Central Station	
1 LaFrance Aerial Truck, 75-ft. extension....	1	Central Station
1 First size Continental Steamer.....	1	Central Station
2 Assistant Chief's Buggies.....	—	Central Station
1 Hose Reel (in reserve).....	1	Central Station
1 Combination Hose Wagon.....	2	Station No. 2
1 Fourth size Metropolitan Steamer.....	2	Station No. 2
1 Hose Wagon	3	Station No. 3
1 Double 60-gallon Holloway Chemical.....	3	Station No. 3
1 Chief's Buggy (extra).....	—	Station No. 3
1 Supply Wagon	23	Station No. 3
1 Hose Wagon	4	Station No. 4
1 Fourth size LaFrance Steamer.....	4	Station No. 4
1 Hose Wagon	5	Station No. 5
1 Third size LaFrance Steamer.....	5	Station No. 5
1 Combination Automobile Pumper and Hose Wagon	6	Station No. 6
1 Hose Wagon	7	Station No. 7
1 Fourth size LaFrance Steamer.....	7	Station No. 7
1 Seagrave Hook and Ladder Truck.....	7	Station No. 7
1 Hose Wagon	8	Station No. 8
1 Third size Clapp & Jones Steamer.....	8	Station No. 8
1 Hose Wagon	9	Station No. 9
1 Fourth size Continental Steamer.....	9	Station No. 9
1 Preston Hook and Ladder Truck.....	9	Station No. 9
1 Fire Marshal's Buggy.....	—	Station No. 9
1 Hose Wagon	10	Station No. 10
1 Second size LaFrance Steamer.....	10	Station No. 10
1 LaFrance Water Tower, 65-foot extension..	1	Smith and Preston Sts.
1 Hayes Aerial Truck (in reserve).....	1	Station No. 9 (old)
1 Fire Commissioner's Automobile.....	—	Central Station

Size and Dimensions of Steam Fire Engines and Date Placed in Service.

Date Placed in Service	Steamer No.	Make	Size	Boiler	Cylinder	Pump	Stroke	Capacity of Water
1910	1	Metropolitan ....Ex. 1	38x68	9 1/2	5 3/4	9	9	1100
1908	1	Continental ....1st	36x72	9	5 1/2	8	7	900
1901	2	Metropolitan ....4th	30x60	6 1/2	4	7	7	500
1901	4	LaFrance .....4th	28x72	6 3/4	4	7	7	500
1894	5	LaFrance .....3rd	30x62	7 1/4	4 1/4	8	6	600
1901	7	LaFrance .....4th	28x72	6 3/4	4	7	7	500
1896	8	Clapp & Jones...2nd	30x62	7	4 1/4	8	6	600
1908	9	Continental ....4th	30x66	6 1/2	4	8	5	500
1895	10	LaFrance .....2nd	33x60	7 3/4	4 1/2	9	7	700

Size and Dimensions of Automobile Fire Apparatus and Date Placed in Service.

Date Placed in Service	No.	Make	H. P. Size	Cylinder	Bore	Stroke	Capacity of Water per Min.
1911	1	Cadillac	30	4	...	..	....
1911	1	E. M. F.....	30	4	...	..	....
1909	1	Robinson C.....	60	4	5 3/4	6	....
1912	1	LaFrance T.....	70	4	5 1/2	6	....
1912	6	LaFrance P.....	105	6	5 1/2	6	700

Above apparatus equipped with two 3-gallon Pony Chemicals and two Pyrene Fire Extinguishers.

Causes of Fires During the Fiscal Year Ending February 28, 1913.

CAUSE	March	April	May	June	July	August	September	October	November	December	January	February	Totals
	2	3	10	2	6	3	6	6	4	2	2	2	
Adjoining buildings.....	2	3	10	2	6	3	6	6	4	2	2	2	46
Automobile fires.....						1					3		4
Chemical explosion.....						1							1
Cigarettes.....	1	1		1	1	1	1	2	1	1			9
Curtain too near stove.....											1		1
Carelessness.....		1		1		1	2	3	1		2	2	13
Electric iron.....							1						1
Electric wire.....			2			1							3
False alarms.....	2	2	6	2	3	4	4	3	4	9	6	6	51
Flues.....	56	14	11	8	7	3	3	4	17	20	32	25	210
Flues, defective.....	2		1	3	2			1	11	16		3	39
Fires outside City limits.....										1	1		2
Fireworks, rats and matches.....											1		1
Furnace.....						1		1	1			2	5
Grass fire.....									2				2
Gas jet.....						1	1						2
Gasoline explosion.....				1					1		2		4
Gasoline stove.....		2				1		2	1			1	7
Gasoline.....						1	1			1		1	4
Gas boiler.....					1								1
Gas pipe testing.....										1			1
Gas heater.....							1					1	2
Gas leaking.....				1			1					1	3
Gas iron.....				1							1		2
Instantaneous heater.....	1												1
Incendiary origin.....	1	1		5	1			1	2		2	1	14
Lamps.....									1				1
Lamp explosion.....		1		2	2		1				3	2	11
Lightning.....					1								1
Matches and rats.....	2		1							2			5
Matches and children.....			1				2		1	1	2	2	9
Overheated boiler.....						1							1
Oil in ditch.....						1			2				3
Oil stove explosion.....							1		1			1	3
Oil on floor.....		1											1
Pot of grease.....					1								1
Pot of tar.....										1	1		2
Sulphur.....							1						1
Sparks from flues.....	14	7	4	4	1	1			2	2	6	1	42
Sparks from locomotive.....	3		2						1	1			7
Stove overheated.....	1											1	2
Sparks from pipe.....										1			1
Spontaneous combustion.....								2					2
Sparks from forge.....										1			1
Stove too close to wall.....	1	1								3	2		7
Sparks from smoke stack.....				1	1		1	2				1	6
Sparks from fires.....				1			3						4
Trash.....				1			1	1	1	1			5
Unknown.....	4	6	5	5	1	9	4	2	4	3	3		46
Wiring, defective.....		2	2	1									5
Stove pipe in window.....											1		1
Totals.....	190	38	43	40	35	22	39	33	55	65	69	58	587

ANNUAL REPORT

OF

JACK KENNEDY,

*CHAIRMAN STREET AND BRIDGE
COMMITTEE,*

For the Year Ending February 28, 1913.

REPORT OF STREET AND BRIDGE COMMITTEE.

HOUSTON, TEXAS, March 1, 1913.

TO THE HON. H. B. RICE,
Mayor City of Houston.

DEAR SIR:—I herewith respectfully submit to you the annual report of work done by the Street and Bridge Department for the year ending February 28th, 1913, which I trust is a satisfactory one to your Honor and to the citizens in general.

I have kept the principal streets of the city clean during the year by having had them swept and having had the dirt hauled away from them; and on our business streets I have had a gang of men with hand brooms and pick-up carts.

I have a very good system of sprinkling routes for the sprinkling wagons and have kept the streets well sprinkled.

I have had one great setback in the matter of keeping the gravel streets in good condition and that is that I was absolutely unable to get the material.

During the last year this Department laid a great number of foot crossings and street bridges and for this work a large amount of lumber was consumed.

We took very good care of the large bridges which span the Ship Channel, and especially the San Jacinto Street Bridge, which has required a large amount of work on account of the enormous traffic over it. For all this work I used the best material.

In the repair of the Ship Channel bridges which the Houston Electric Company operates cars on, I have charged one-half of the expense on those bridges to that company.

There are a great number of minor items of work done by the Department which have not been recorded, but nevertheless has required labor and expense.

During the past year this Department has cleaned and opened a great many blocks of surface ditches for drainage.

The Following is a List of Streets Which Are Sprinkled Daily:

Main Street, from Commerce Avenue to City limits.
Travis Street, from Commerce Avenue to McKinney Avenue.
Milam Street, from Franklin Avenue to McGowen Avenue.
Fannin Street, from Franklin Avenue to McKinney Avenue.
Tenth Street, from Washington Avenue to H. & T. C. Yards.
Washington Avenue, from Bridge to Sabine Street.
Preston Avenue, from Washington Avenue to Dowling Street.
Franklin Avenue, from Bridge to Chartres Street.
Congress Avenue, from Louisiana Street to Dowling Street.
Louisiana Street, from Congress Avenue to Prairie Avenue.
Prairie Avenue, from Smith Street to Crawford Street.
Texas Avenue, from Milam Street to Hamilton Street.
Capitol Avenue, from County Jail to Caroline Street.
Rusk Avenue, from Milam Street to Caroline Street.
Walker Avenue, from Milam Street to Caroline Street.
San Felipe Street, Heiner to Dallas, to Main, to Lamar, to Bagby.
San Jacinto Street, from Bridge to McGowen Avenue.
Willow Street, from San Jacinto St. Bridge to Maffit Street.
McKee Street, from Liberty Avenue to H. E. & W. T. Ry.
Commerce Avenue, from Milam Street to San Jacinto Street.
Crawford Street, from Congress Avenue to Texas Avenue.
Caroline Street, from Franklin Avenue to McKinney Avenue.
McKinney Avenue, from Bagby Street to Hutchins Street.

The Following is a List of Streets Which Are Swept Every Night:

Main Street, from Franklin Avenue to Berry Avenue.
Travis Street, from Franklin Avenue to Leeland Avenue.
Milam Street, from Franklin Avenue to Dallas Avenue.
Fannin Street, from Franklin Avenue to McKinney Avenue.
San Jacinto Street, from Commerce Avenue to McKinney Avenue.
Congress Avenue, from Milam Street to Crawford Street.
Franklin Avenue, from Louisiana Street to Austin Street.
Preston Avenue, from Austin Street to Washington Avenue.
Prairie Avenue, from Milam Street to Caroline Street.
Texas Avenue, from Milam Street to Caroline Street.
Capitol Avenue, from Milam Street to Caroline Street.
Rusk Avenue, from Milam Street to Caroline Street.
Walker Avenue, from Milam Street to Caroline Street.
Willow Street, from San Jacinto St. Bridge to Walnut Street.
Washington Avenue, from Franklin Ave. Bridge to Tenth Street.

The Following is the List of Streets Which Are Swept Twice Weekly:

Washington Avenue, from Tenth St. to Southern Pacific crossing.
Liberty Avenue.
McKee Street.
Conti Street.
Odin Avenue.
Lyons Avenue.
Hardy Street, from Conti Street to Noble Street.
Houston Avenue, from Washington Avenue to Spring Street
(when in condition for sweeping).
Harrisburg Road, from I. & G. N. tunnel to Milby Street.
San Jacinto Street, from McKinney Avenue to McGowen Avenue.

The Following is the List of Streets Which Are Swept Three Times Weekly:

Main Street, from Berry Avenue to Blodgett.
Franklin Avenue, from Austin Street to Chartres Street.
Texas Avenue, from Caroline Street to Hamilton Street.
McKinney Avenue, from Bagby Street to Chartres Street.

The Following is the List of Streets Which are Swept Weekly:

Leeland Avenue, from Louisiana Street to Crawford Street.
McGowen Avenue, from Milam Street to Crawford Street.
Crawford Street, from Commerce Avenue to McGowen Avenue.
Montgomery Avenue, from Wood Street to James Street.
Sabine Street, from Washington Avenue to Sabine St. Bridge.
Heiner Street, from Sabine St. Bridge to San Felipe Street.
Preston Avenue, from Austin Street to I. & G. N. Tunnel.

The gutters in the central portion of the city are flushed daily and the following is the list of streets upon which the gutters are flushed every day:

Main Street, from Commerce Avenue to Walker Avenue.
Travis Street, from Commerce Avenue to Walker Avenue.
Milam Street, from Commerce Avenue to Walker Avenue.
Louisiana Street, from Commerce Avenue to Walker Avenue.
Fannin Street, from Commerce Avenue to Walker Avenue.
San Jacinto Street, from Commerce Avenue to Walker Avenue.
Caroline Street, from Commerce Avenue to Walker Avenue.
Congress Avenue, from Smith Street to Caroline Street.
Franklin Avenue, from Franklin Ave. Bridge to Caroline Street.

Commerce Avenue, from Milam Street to Caroline Street.
Preston Avenue, from Smith Street to Caroline Street.
Prairie Avenue, from Smith Street to Caroline Street.
Texas Avenue, from Smith Street to Caroline Street.
Capitol Avenue, from Smith Street to Caroline Street.
Rusk Avenue, from Smith Street to Caroline Street.
Walker Avenue, from Smith Street to Caroline Street.

The Following is the Amount of Street Bridges and Foot Crossings Laid During the Year by This Department.

Street Bridges	1,416
Street Foot Crossings.....	1,612
Aprons	64
Drain Boxes	22

The Following Streets Have Been Scarified, Regraded and Rolled.

Maury Street, from Southern Pacific R. R. to Quitman Street.
Hardy Street, from Noble Street to Quitman Street.
Waverly Street, from Hardy Street to Montgomery Avenue.
McKinney Avenue, from Chartres Street to Milby Street.
Sampson Street, from McKinney Avenue to Harrisburg Road.
Clay Avenue, from Caroline Street to Crawford Street.
State Street, from Sabine Street to Hemphill Street.
Hemphill Street, from State Street to Washington Avenue.
Kane Street, from Hemphill Street to Sabine Street.
Silver Street, from State Street to Washington Avenue.
Lubbock Street, from Hemphill Street to Houston Avenue.
Decatur Street, from Silver Street to Hemphill Street.
Silver Street, from Dart Street to Shearn Street.
Edwards Street, from Silver Street to Houston Avenue.
Bingham Street, from Silver Street to Holly Street.
Colorado Street, from Edwards Street to Weber Street.
Summer Street, from Henderson Street to Holly Street.
Crockett Street, from Henderson Street to Houston Avenue.
Shearn Street, from White Street to Holly Street.
Ovid Street, from Colorado Street to Houston Avenue.
Weber Street, from Sabine Street to Houston Avenue.
Paschal Street, from Montgomery Avenue to Hardy Street.
Clark Street, from Odin Avenue to City Limits.

The citizens residing in the neighborhood of State Street and Hemphill had a just complaint in regard to drainage in that section of the city and to relieve that situation I had

sewer constructed on State Street from Hemphill to Sawyer Street Gully, and built a catch basin and retaining wall which will give those citizens abundant relief.

The same condition existed on Keller Street and laid a storm water sewer on that street with catchbasin and retaining wall, and after ditching Keller Street from the Burger Manufacturing Co. to the sewer the situation was relieved considerably.

In building these sewers I used 24-inch sewer pipe, being sufficiently large to take care of the water drainage of the localities.

The Following is the List of New Gravel Streets Graveled During Last Year.

Brown Street, from Washington Avenue to Center Street.

Center Street, from Brown Street east about 200 feet, thence north about 250 feet to railroad, thence along railroad east about 150 feet, thence north on Keller Street about 200 feet.

Butler Street, from Sachs Street to Wachman Street.

Sachs Street, from Butler Street to Washington Avenue.

Streets Graded, New Work.

Marion Street, from Paschal Street to Henry Street.

Edmondson Street, from Leeland Avenue to Calhoun Avenue.

Luzon Street, from Montgomery Avenue to Cochran Street.

The Following is the List of Streets Shelled During Last Year.

Harrington Street, from Maury Street to Montgomery Avenue.

Bremond Street, from Nance Street to Conti Street.

Gray Avenue, from Chartres Street to Hutchins Street.

Clark Street, from Odin Avenue to City Limits.

During the past year I have done a great amount of work in filling holes in streets, and in this connection will state that I have been somewhat unable to fill all the holes on all the streets, as most of the time I have not been able to get material to fill with and in many instances I used the old asphalt blocks or other material that I could get hold of that could be used as a filling.

In filling holes on streets I had men working in all of the

streets in the city, but the following is a list of streets which required a large amount of material, which should be mentioned:

Buffalo Street.	Telephone Road.
Chartres Street.	Lee Street.
Harrisburg Road.	Dallas Avenue.
Engelke Street.	Shepherd Street.
Pease Avenue.	Cochran Street.
Washington Avenue.	Lion Street.
Harrington Street.	Dumbler Street.
German Street.	Sawyer Street.
Houston Avenue.	Providence Street.
Webster Avenue.	Avondale Avenue.
Tuam Avenue.	Smith Street.
Bell Avenue.	Stratford Avenue.
Montgomery Avenue.	McKinney Avenue.

The Following is a List of Streets Graded by the Grading Gang and Ditching Done by the Same Gang:

Dowling Street, Ennis Street, Palmer Street, Rice Street, Paige Street, Roanoke Street, Ann Street, Roberts Street, Center Street, Shea Street, Maury Street, Court Street, Taylor Street, Beauchamp Street, Willard Street, Hooker Street, Lamb Street, Walker Avenue, Cline Street, Hill Street, Bell Avenue, West Montgomery Avenue, Chenevert Street, Castania Street, Morris Street, Keene Street, Crosby Street, Author Street, Thomas Street, Paschal Street, Robin Street, Bagby Street, Winnie Street, Henry Street, Fletcher Street, Schmidt Street, Brooks Street, Sherman Street, Baldwin Street, Marie Street, Clark Street, Brandt Street, Liberty Avenue, Dumble Street, Hathaway Avenue, Hamilton Street, Buffalo Street, Gable Street, Miller Street, McKinney Avenue, Dumble Street, Roberts Street, Congress Avenue, Alabama Avenue, Center Street, Butler Street, Beach Street, Sampson Street, Shepherd Street, St. Charles Street, Rice Street, Deuzebe Street, Peschka Street, Super Street, Orriene Street, Sherman Street, Kendell Street, Ennis Street, Texas Avenue.

This Department has experienced a considerable lot of trouble by holes in streets which were opened by the different corporations of the city, and required a great deal of our time to keep track on such openings and have the corporations which made such openings replace the streets in proper condition.

The following is a list of openings in streets made by different corporations:

Gas openings	883
Telephone openings	14
Drain laying openings.....	758
Plumbing openings	149
Street Car Company.....	14
Home Telephone Co.....	9

It required to enlarge the sheds for stock at the City Stables and had an additional shed built.

I had notified the San Antonio & Aransas Pass Railroad Co. time and again to deepen and widen their ditch on Velasco to drain overflow of water from Harrisburg Road, and after several notices had been sent to them and they still refused to make proper drainage I employed a contractor and had the work done and the cost of the work was charged to the railroad company.

Disbursements For the Year Ending February 28th, 1913.

I herewith beg to give your Honor an itemized account of the entire expense of this Department for the year ending February 28th, 1913. From the total you will notice that I have deducted the amount of \$2,737.37 amount of collections made as follows:

Houston Electric Co.....	\$1,727.80
San Antonio & Aransas Pass Ry. Co.....	390.28
Davis Bros., Contractors.....	30.00
Rumley Product Co.....	20.00
Carnival Association	44.10
Barnum & Bailey's Circus, damage to streets.....	338.50
M. K. & T. Ry. Co.....	21.69
Sale of empty sacks at Stables.....	5.00
J. S. Bowser, allowance on crippled mule.....	160.00
Total	<hr/> \$2,737.37

I also wish to mention that a large sum of money has been expended by the Engineer's Department for repairing of streets which this Department had no authority over whatever, and only that the work had been done when the expense account was presented, but the expense of that work was charged to this Department.

Inventory of the Department.

GENERAL EXPENSE.

General Foremen, Inspectors and Clerks—

Salaries	\$ 7,325.12
----------------	-------------

Repairs and Renewals to Buildings—

Lumber and labor.....	174.00
-----------------------	--------

Equipments—

Supplies	5,529.18
Blacksmith	2,913.32
Broommaker	763.75
Repairing machines at City Stables.....	334.68
Oiling harness	234.00
Expended by Engineer Department.....	79.01

Bridges—

Bridge gang	9,719.61
Lumber for bridges and foot crossings.....	12,969.11
Bridge tenders	3,600.00
Supplies for bridges.....	1,523.08
Repairing San Jacinto Street Bridge.....	3,220.00
Expended by Engineer Department.....	154.80

Live Stock—

Stableman	2,039.54
Feed	8,561.16
Medical services to live stock.....	25.86
New mules	3,940.00

Street Cleaning—

Flushing gutters on paved streets.....	2,287.05
Cleaning streets in business district.....	7,051.00
Sprinkling streets	4,159.75
Keeping tunnels clean.....	1,932.00
Keeping paved street drains open.....	2,094.97
Teams cleaning dirt off paved streets.....	14,611.37
Sweeping paved streets.....	3,471.50
Washing paved streets with squeegee machines	178.00

Repairing Streets—

Ditching and cleaning surface ditches.....	22,820.00
Grading streets	7,308.84
Repairing paved streets, pavers.....	992.66
Carts filling holes in dirt streets.....	4,093.14
Resurfacing gravel and shell streets.....	25,215.58
Scarifying gravel and shell streets.....	2,980.75
Supplies	1,341.74
Expended by Engineer Department.....	24,501.61
Oiling Smith and Hawthorne Streets.....	240.60

Miscellaneous Expense—

Watchman at City Stables.....	\$ 846.50
Stationery	155.85
Electric pay roll.....	748.00
Electric lights	59.40
Telephone	67.70
Spreading dirt and filling at City Barn Yard..	530.75
Ice	22.50
Supplies	143.55
Expended by Engineer Department.....	145.95

Extraordinary—

Cement sidewalks around City Parks.....	246.21
Expended by Engineer Department.....	334.47
Harness	195.00
Gravel	2,997.93
Supplies	421.60
One new steam street roller.....	2,552.85
New sweepers and sprinkling wagons.....	3,183.59

Total	\$201,264.72
-------------	--------------

CREDIT.

Amount brought forward.....	\$201,264.72
Expended by Engineer Department and charged to Street and Bridge Department	\$25,215.84
Charged to other corporations and firms for street repairing and dam- ages to streets.....	1,009.57
Charged to Houston Electric Co. for their portion of expense for re- pairs to bridges.....	1,727.80
Work done for other departments, as laying sewers	726.05

	\$28,679.26
--	-------------

Resurfacing streets with gravel and shell, which should have been charged as new work, but charged as repairs	25,215.58
New mules	3,940.00
New steam roller.....	2,552.85
New sweeping and sprinkling ma- chines	3,183.59

	63,571.28
--	-----------

Net expense of Street and Bridge Depart- ment for labor and material.....	\$157,693.44
--	--------------

During the last year the Department lost, by death, one mule.

The Following is a List of Inventory of the Department.

Mules	78	Old grader	1
Horses*	3	Sewer pipe, assorted sizes, joints	20
New Austin sweepers.....	6	Three-wheel sweeper frame..	1
Old Austin sweepers.....	3	Second-hand sewer pipe, joints	15
Old Studebaker sweepers....	3	Second-hand wire fence, feet,	
Old Chas. Hvass sweeper....	1	about	200
Old New York sweeper.....	1	Large iron wheels.....	2
New Austin sprinklers.....	4	Blacksmith shop, complete...	1
Old Austin sprinklers.....	3	Old dray scrapers.....	9
Old Studebaker sprinklers...	6	Split hickory broom straw, large, bundles	17
Studebaker ditch oiler.....	1	Extra broom cores.....	12
New can carriers.....	13	Rattan broom straw, lbs.....	200
New cans for carriers.....	10	Broom filling rack.....	1
Complete sets double harness.	40	Small push brooms with han-	
Board dump wagons.....	24	dles	150
Studebaker dump wagons....	2	Large push brooms.....	200
Bridge wagons	2	Set harness maker's tools....	1
Road graders	3	New scoops	11
Plows	1	Leather, side	½
Rooter	1	Extra cog wheels for sweepers	12
Combination traction engine and roller in good condition	1	Mule shoes, kegs.....	8
Horsepower roller	1	Buggy harness, set.....	1
Carts, for barn.....	1	Cart harness, set.....	1
Buggy	2	Alfalfa hay, bales.....	700
Street washing machines....	2	Oats, bushels	700
Iron carts	2	Assorted iron and steel, lbs..	400
Mowing machines	2	Horseshoe nails, lbs.....	50
Wheel scrapers	3	Scrap iron, junk, lbs.....	2,000
Truck with two tanks.....	1		

*One belongs to Police and one to Fire Department.

Extra Tools Kept in Barn, Not in Use.

Top mauls	10	60-penny nails, kegs.....	2
Wheelbarrow	1	Jack screws	4
Pinch bars	6	Pick handles	6
Carpenter's squares	2	Adz handles	12
Cross-cut saws	5	Maul handles	6
Wrenches, 18-in.	2	Cant hooks	2
Saw clamps	2	Blocks and tackle.....	4
Saw set	1	1-in. line, feet.....	200
Level, old	1	Long-handled shovels	24
Chain, lbs.	200	Picks	22
Blow torch	1	Sledge hammer, 18 lbs.....	1
Bolts, $\frac{3}{4}$ -in. and $1\frac{1}{2}$ -in., lbs..	25	Spike maul, 8 lbs.....	1
Grindstone	1		

Lumber on Hand.

1,487 pieces	3x 8x20	3 pieces	3x10x14
859 pieces	3x 8x16	20 pieces	3x12x16
11 pieces	3x 8x22	4 pieces	3x12x20
3 pieces	4x 4x16	14 pieces	3x12x14
3 pieces	4x 6x20	9 pieces	6x 6x24
3 pieces	3x 8x28	2 pieces	6x 6x18
9 pieces	6x 6x14	6 pieces	6x 6x16
85 pieces	3x 8x18	11 pieces	6x 6x20
62 pieces	4x 6x12	14 pieces	2x 6x20
4 pieces	4x 6x18	1 piece	10x10x 8
35 pieces	4x 6x14	32 pieces	4x 6x14
47 pieces	3x 8x18	18 pieces	3x 8x24
1 piece	3x10x24	32 pieces	2x10x16
3 pieces	3x12x24	4 pieces	1x 4x16
26 pieces	3x10x20		

Tools in Use.

98 Shovels. 9 Scoops. 68 Picks.

In conclusion, I will take this opportunity to thank your Honor for the assistance you have given me in the discharge of my duties. As Chairman of the Street and Bridge Department I have always endeavored to carry out my duty, and give all the relief I possibly could to the many citizens who applied to me for relief as to drainage, foot crossings and street bridges, etc.

Respectfully submitted,

JACK KENNEDY,

Chairman Street and Bridge Committee.

ANNUAL REPORT

OF

DAN C. SMITH, JR.,

CITY CONTROLLER,

For the Year Ending February 28, 1913.

REPORT OF CITY CONTROLLER.

HOUSTON, TEXAS, February 28, 1913.

To the Hon. Mayor and City Council of the City of Houston.

GENTLEMEN:—I herewith submit to you my annual report for the fiscal year ending February 28, 1913, which embraces the following exhibits and schedules of detail, to-wit:

EXHIBIT "A"—GENERAL BALANCE SHEET:

- Schedule No. 1, Bond Fund Balance Sheet.
- Schedule No. 2, Property and Improvements.
- Schedule No. 3, Outstanding Bills for Collection.
- Schedule No. 4, Special Deposits Re-Payable.
- Schedule No. 5, Bonded Debt.
- Schedule No. 6, Sinking Fund.

EXHIBIT "B"—STATEMENT OF REVENUE AND EXPENSE:

Schedules Nos. 1 and 2, Revenue Classified and Compared.

Schedules Nos. 3 and 4, Expense Classified and Compared.

Schedule No. 5, Disbursements from General Fund for Permanent Improvements.

**EXHIBIT "C"—STATEMENT OF MISCELLANEOUS EXPENSE,
SHOWN IN EXHIBIT "B"—SCHEDULE NO. 3.**

**EXHIBIT "D"—MISCELLANEOUS REVENUE, AS SHOWN IN
EXHIBIT "B"—SCHEDULE NO. 1.**

EXHIBIT "E"—STATEMENT OF BOND FUND DISBURSEMENTS.

EXHIBIT "F"—STATEMENT OF DEPARTMENTAL EXPENSES, AND APPROPRIATIONS MADE THEREFOR.

Respectfully submitted,

DAN C. SMITH, JR.,

City Controller.

General Balance Sheet, February 28, 1913.**ASSETS.****CASH, OTHER THAN BOND FUNDS:**

General Fund in hands of Treasurer.....	\$ 492.21
Water Fund in hands of Treasurer.....	6,979.18
School Fund in hands of Treasurer.....	11.36
Special Deposits in hands of Treasurer.....	524.70

TOTAL \$ 8,007.45

CASH IN OTHER HANDS:

Assessor and Collector.....	\$ 5,920.43
Water Department	290.00
Working Funds	1,475.00

TOTAL 7,685.43

CASH—BOND FUNDS IN HANDS OF TREASURER:

Main Street Viaduct (Schedule No. 1).....	\$ 40,206.53
School Building (Schedule No. 1).....	119,355.93
Junior High School (Schedule No. 1).....	378,204.89
Public Parks (Schedule No. 1).....	43,671.32
Drainage Sewers (Schedule No. 1).....	739,781.64
Sanitary Sewers (Schedule No. 1).....	470,008.07
Street Paving (Schedule No. 1).....	242,761.77
Bridge Building (Schedule No. 1).....	190,171.38

TOTAL 2,224,161.53

TOTAL CASH, OTHER THAN SINKING FUND \$ 2,239,854.41

SINKING FUND, IN HANDS OF TREASURER:

Cash	\$ 22,708.36
Bonds—Harris County	116,000.00
Bonds—Navigation District	290,000.00

TOTAL SINKING FUND \$ 428,708.36

ACCOUNTS RECEIVABLE:

Taxes in hands of Assessor and Collector.....	\$ 404,839.75
Other items in hands of Assessor and Collector.....	191.25
Bills for collection—General.....	6,215.83
Bills—Scavenger Department	1,644.95
Bills—Water Department	37,999.55
State of Texas, account School Appropriation Cert'ate	53,785.00

TOTAL ACCOUNTS RECEIVABLE \$ 504,676.33

BILLS RECEIVABLE \$ 350.00

PROPERTY AND IMPROVEMENTS (Schedule No. 2) \$10,033,223.88

GRAND TOTAL ASSETS \$13,206,812.98

Exhibit "A."

(Continued)—1.

General Balance Sheet, February 28, 1913.**LIABILITIES.****MISCELLANEOUS:**

Warrants outstanding	\$ 2,645.24
Anticipation Warrant (not due)	400,000.00
Special Deposits Payable.....	1,975.50
Unclaimed Wages	1,331.30
<hr/> TOTAL	\$ 405,952.04
<hr/> BONDED DEBT	\$ 8,495,000.00
<hr/> WATER WORKS MORTGAGE.....	\$ 467,000.00
<hr/> REFUND PAVING CERTIFICATES.....	\$ 190,677.89
<hr/> TOTAL LIABILITIES	\$ 9,558,629.93
<hr/> EXCESS OF ASSETS OVER LIABILITIES.....	\$ 3,648,183.05
<hr/> GRAND TOTAL	\$13,206,812.98

Exhibit "A."

(Concluded —2.

Bond Fund Balance Sheet.

	Assets	Liabilities
MAIN STREET VIADUCT BOND FUND:		
Cash in hands of Treasurer.....	\$153,224.38	
Bills payable		\$100,000.00
Warrants outstanding		13,017.85
Surplus to General Balance Sheet (Exhibit A).....		40,206.53
TOTAL	\$153,224.38	\$153,224.38
SCHOOL BUILDING BOND FUND:		
Cash in hands of Treasurer.....	\$159,355.93	
Bills payable		\$ 40,000.00
Surplus to General Balance Sheet (Exhibit A).....		119,355.93
TOTAL	\$159,355.93	\$159,355.93
JUNIOR HIGH SCHOOL BOND FUND:		
Cash in hands of Treasurer.....	\$380,704.89	
Bills payable		\$ 2,500.00
Surplus to General Balance Sheet (Exhibit A).....		378,204.89
TOTAL	\$380,704.89	\$380,704.89
PUBLIC PARK BOND FUND:		
Cash in hands of Treasurer.....	\$ 46,171.32	
Bills payable		\$ 2,500.00
Surplus to General Balance Sheet (Exhibit A).....		43,671.32
TOTAL	\$ 46,171.32	\$ 46,171.32
DRAINAGE SEWER BOND FUND:		
Cash in hands of Treasurer.....	\$739,781.64	
Surplus to General Balance Sheet (Exhibit A).....		\$739,781.64
TOTAL	\$739,781.64	\$739,781.64
SANITARY SEWER BOND FUND:		
Cash in hands of Treasurer.....	\$470,008.07	
Surplus to General Balance Sheet (Exhibit A).....		\$470,008.07
TOTAL	\$470,008.07	\$470,008.07
STREET PAVING BOND FUND:		
Cash in hands of Treasurer.....	\$242,761.77	
Surplus to General Balance Sheet (Exhibit A).....		\$242,761.77
TOTAL	\$242,761.77	\$242,761.77
BRIDGE BUILDING BOND FUND:		
Cash in hands of Treasurer.....	\$190,171.38	
Surplus to General Balance Sheet (Exhibit A).....		\$190,171.38
TOTAL	\$190,171.38	\$190,171.38

Exhibit "A"—Schedule No. 1.

Property and Improvements, February 28, 1913 and 1912.

	1913.	1912.
LEGAL DEPARTMENT:		
Law Library	\$ 974.10	\$ 974.10
ASSESSOR AND COLLECTOR:		
Stewart Block Book System.....	\$ 10,000.00	\$ 10,000.00
CITY HALL AND MARKET HOUSE:		
Furniture and Fixtures.....	\$ 642,022.20	\$ 642,022.20
Automobile	1,320.92	1,320.92
	2,500.00	.....
TOTAL	\$ 645,843.12	\$ 643,343.12
POLICE DEPARTMENT:		
City Jail	\$ 52,163.10	\$ 52,163.10
Automobile	2,167.60	2,167.60
Motorcycles	1,037.43	1,037.43
Bertillon System	891.00	891.00
Stock and Equipment.....	7,710.00	.....
TOTAL	\$ 63,969.13	\$ 56,259.13
FIRE DEPARTMENT:		
Central Station	\$ 122,514.93	\$ 103,764.93
Hose Company No. 1.....	7,648.50	7,648.50
Fire Station No. 2.....	24,152.64	24,152.64
Fire Station No. 3.....	10,182.81	10,182.81
Fire Station No. 4.....	5,277.88	.....
Fire Station No. 5.....	13,528.50	13,528.50
Fire Station No. 6.....	19,531.13	11,031.13
Fire Station No. 7.....	14,281.44	14,281.44
Fire Station No. 8.....	14,425.00	14,425.00
Fire Station No. 9 (Old).....	10,768.50	10,768.50
Fire Station No. 9 (New).....	21,249.77	21,249.77
Fire Station No. 10.....	15,124.00	15,124.00
Automobile	1,480.27	1,480.27
Fire Marshal Equipment.....	350.00	350.00
TOTAL	\$ 280,515.37	\$ 247,987.49
ELECTRICAL DEPARTMENT:		
Fire and Police Alarm System.....	\$ 80,543.21	\$ 74,702.30
Automobile	1,395.00	1,395.00
TOTAL	\$ 81,938.21	\$ 76,097.30
HEALTH DEPARTMENT:		
Smallpox Camp	\$ 861.95	\$ 624.50
Crematory	6,050.00	6,050.00
TOTAL	\$ 6,911.95	\$ 6,674.50
SCAVENGER DEPARTMENT	\$ 3,602.32	\$ 3,602.32
STREET AND BRIDGE DEPARTMENT	\$ 74,585.98	\$ 74,585.98
City Stables	2,686.43	2,686.43
Opening Streets	40,730.59	33,570.09
Bridges	131,314.73	63,456.48
Viaduct, Main Street.....	465,382.21	215,896.59
TOTAL	\$ 714,699.94	\$ 390,195.57
GARBAGE DEPARTMENT	\$ 4,576.32	\$ 4,576.32
SEWER DEPARTMENT:		
Sanitary System, pumping station.....	71,468.01	71,468.01
Sanitary System, filter beds.....	137,279.26	137,279.26
Sanitary Sewers	212,477.97	145,952.40
Sewers, subsequent to January 1, 1899.....	353,414.37	353,414.37
Drainage Sewers	295,926.43	283,799.00
TOTAL	\$ 1,070,566.04	\$ 991,913.04
ASPHALT PLANT	\$ 3,000.00	\$ 3,000.00

Exhibit "A"—Schedule No. 2.

(Continued)—1.

**Property and Improvements, February 28, 1913 and
1912—Continued.**

FORWARD	\$ 2,886,596.50	\$ 2,434,622.89
	1913.	1912.
AMOUNT BROUGHT FORWARD.....	\$ 2,886,596.50	\$ 2,434,622.89
SCHOOLS:		
High School	\$ 226,638.58	\$ 226,638.58
Rusk (old site).....	17,217.50	17,217.50
Rusk (new site).....	148,449.16	76,060.00
Longfellow (old site).....	18,091.40	18,091.40
Longfellow (new)	23,108.00	.....
Fannin	106,498.50	106,498.50
Taylor	22,587.50	22,587.50
Dow	23,544.60	23,544.60
Hawthorne	29,700.00	29,700.00
Cascara	40,219.70	40,219.70
Jones	45,050.05	44,550.05
Allen (site donated).....	46,528.77	46,528.77
Austin	26,898.75	26,898.75
Third Ward (new site).....	23,500.00	500.00
Lubbock	48,147.18	48,147.18
Crockett	39,083.33	9,720.00
Reagan	44,513.74	44,513.74
Washington Street (site).....	5,000.00	5,000.00
Woodland Heights	39,604.83	39,604.83
Lamar	55,269.68	55,269.68
South Side Junior High School.....	103,649.04	.....
North Side Junior High School.....	20,569.66	.....
Sherman	31,726.40	.....
Fifth Ward (site).....	6,600.00	.....
Montrose (site)	18,181.44	.....
Third Ward (site).....	2,500.00	.....
Fourth Ward (site).....	6,500.00	.....
Washington Street (site).....	18,299.24	.....
Sixth Ward School.....	62,227.40	.....
High School (colored).....	43,875.63	32,450.00
Bingham Street “	4,893.50	4,893.50
First Ward “	3,800.00	3,800.00
Douglas “	14,184.00	14,184.00
Fifth Ward “	7,430.70	7,430.70
Chaneyville “	2,498.00	2,498.00
Langston “	10,580.00	10,580.00
Fourth Ward “	12,338.00	12,338.00
Palmer Street “	8,840.86	8,840.86
Additions, 1905 “	9,700.95	9,700.95
Barr Addition “	5,700.00	5,700.00
TOTAL	\$ 1,423,746.09	\$ 993,706.79
WATER PLANT	\$ 1,477,298.09	\$ 1,377,825.16
PARKS:		
Sam Houston	\$ 38,075.43	\$ 37,975.43
Cleveland	52,100.00	50,500.00
Elizabeth Baldwin	44,013.66	43,301.31
San Jacinto	34,886.00	21,186.00
Settegast (site donated).....	1,701.45	.....
Hogg Park	49,467.14	.....
Fifth Ward	25,050.00	.....
North Side	15,045.00	.....
Forsgard	102,149.04	.....
TOTAL	\$ 362,487.72	\$ 152,962.74
CARNEGIE LIBRARY	\$ 8,619.62	\$ 8,619.62
AUDITORIUM	\$ 409,967.16	\$ 402,722.27
HOUSTON SHIP CHANNEL.....	\$ 123,861.86	\$ 112,861.86
WHARVES AND SLIPS.....	\$ 189,309.75	\$ 189,309.75
STREET PAVING, subsequent to Jan. 1, 1899.....	\$ 1,491,490.93	\$ 1,334,753.51
UNDISTRIBUTED, prior to Jan. 1, 1899.....	\$ 1,659,846.16	\$ 1,659,846.16
TOTAL PROPERTY AND IMPROVEMENTS.....	\$10,033,223.88	\$8,667,230.75

Exhibit "A"—Schedule No. 2.

(Concluded)—2.

**Outstanding Bills for Collection February 28, 1913,
Aggregate.**

No.		Amount
352	Robischung Bros.	\$ 17.50
368	J. W. Thiel.	5.00
371	Harris County	465.99
404	E. C. Lamb.	3.50
423	Potthoff & Griffin.	105.00
454	Miss Kate Scanlan.	7.50
497	T. H. Thompson.	52.20
498	Richard Rogers.	102.00
506	Mrs. Julia Reiler.	30.60
553	Mrs. Eugenia Flewellen.	68.15
554	S. S. Ashe.	70.50
651	Lucas & Smith.	22.50
661	Collins Bros.	18.00
705	Mrs. E. Flewellen.	3.65
708	H. S. Fox.	1.25
709	Taylor-Roberts Co.	13.60
762	Collins Bros.	45.00
773	G. H. & S. A. Ry. Co.	265.20
863	L. C. Artusy.	21.00
903	J. W. Thiel.	10.50
968	T. & B. V. R. R. Co.	110.00
997	Houston Electric Co.	2.45
1019	Houston Home Telephone Co.	99.50
1035	H. L. Stevens & Co.	14.00
1044	McGregor & Sharp.	658.83
1079	D. H. Miller.	5.49
1143	Houston Home Telephone Co.	188.77
1152	Houston Home Telephone Co.	28.00
1165	M. K. & T. R. R. Co.	21.69
1169	Houston Home Telephone Co.	2.25
1170	Southwestern Tel. & Tel. Co.	2.25
1182	Houston Home Telephone Co.	109.53
1189	Houston Home Telephone Co.	9.25
1199	Fred H. Jones Building Co.	228.95
1223	Houston Home Telephone Co.	7.25
1226	M. DeGeorge.	13.00
1230	Mrs. Clara Brown.	454.03
1231	J. O. Ross.	454.03
1232	Alex. Freund.	454.03
1233	J. J. Sweeney.	454.03
1247	Houston Home Telephone Co.	10.50
1263	Barnum & Bailey.	15.00
1269	Houston Home Telephone Co.	10.25
1273	American LaFrance Fire Engine Co.	90.00
1286	S. A. & A. P. R. R. Co.	161.86
1287	S. A. & A. P. R. R. Co.	228.42
1295	H. & T. C. R. R. Co.	160.00
1297	G. E. Bustin.	627.00
1303	H. & T. C. R. R. Co.	160.00
1307	Commercial Bank Building.	28.45
1308	E. A. Hudson.	78.38
	TOTAL.	\$6,215.83

Exhibit "A"—Schedule No. 3.

Special Deposits Payable at February 28, 1913, Aggregate.

	Folio	Amount
J. B. Collins.....	2	\$ 95.00
Collins Plumbing Co.....	3	25.00
J. W. Thiel.....	6	55.00
Barber Plumbing Co.....	9	125.50
McNeely & Heitmann.....	18	40.00
F. L. Putnam.....	20	45.00
F. C. Van Liew.....	22	25.00
Oscar Gersteman	25	10.00
Modern Plumbing Co.....	25	135.00
J. S. Bridges.....	26	70.00
Keithly Co.	32	20.00
N. G. Kittrell, Jr.....	34	20.00
C. A. Elmen.....	34	10.00
H. L. Stevens.....	34	25.00
Western Union Telegraph Co.....	35	200.00
Southwestern Tel. & Tel. Co.....	35	35.00
Houston Gas Co.....	35	500.00
J. O. Ross.....	36	10.00
Houston Saw Mill Co.....	36	20.00
F. Stech	36	10.00
Theo. C. Miller.....	36	10.00
W. S. Hipp.....	36	15.00
T. E. Jewett.....	36	15.00
C. Cramer	37	10.00
First and Commercial National Banks.....	37	25.00
Central Laundry	37	10.00
Houston Ice Cream Co.....	37	20.00
G. H. & H. Transportation Co.....	37	10.00
People's Ice Co.....	37	10.00
G. C. Curtis.....	38	10.00
J. N. Altus.....	41	10.00
J. K. Bell.....	43	20.00
Eller Wagon Works.....	44	10.00
A. C. Burton.....	45	10.00
J. W. Watkins.....	50	10.00
People's Lumber Co.....	57	10.00
Randolph Paint Co.....	57	10.00
Hardin & Clifton.....	60	10.00
John Scharfenberg	62	20.00
Nicholson & Brush.....	63	30.00
FORWARD		\$1,750.50

Exhibit "A"—Schedule No. 4.

(Continued)—1.

Special Deposits Payable at February 28, 1913, Aggregate—Continued.

	Folio	Amount
FORWARD		\$1,750.50
J. T. Mason.....	64	10.00
J. Jamison	65	45.00
F. Roesller	65	10.00
E. T. Barden.....	66	10.00
C. M. Ketchell Plumbing Co.....	67	30.00
J. R. Stuart.....	67	10.00
T. J. Ewing.....	67	10.00
Horton & Horton.....	68	30.00
Southern Hat Works.....	68	10.00
P. T. Barton.....	68	10.00
Gabe Levy	68	10.00
D. E. Smith.....	68	10.00
Sam Patzlico	68	10.00
J. F. Kessler.....	69	10.00
John Stadtler	48	10.00
 TOTAL		 <u><u>\$1,975.50</u></u>

Bonded Debt, February 28, 1913.

Date Issued		Rate	Amount
July 1, 1888,	30-year Compromise Bonds.....	6%	\$ 500,000.00
" 1, 1888,	30-year Compromise Bonds.....	5%	503,000.00
May 1, 1894,	30-year Public School Building Bonds.....	6%	100,000.00
" 1, 1896,	40-year Bridge Building Bonds.....	5%	39,000.00
Jan. 1, 1897,	40-year Market House Funding Bonds.....	5%	109,000.00
July 1, 1897,	40-year Paving and Sewer Bonds.....	5%	250,000.00
Dec. 1, 1897,	40-year School Building Bonds.....	5%	50,000.00
Jan. 1, 1898,	25-year School Building Refunding Bonds.....	5%	60,000.00
July 1, 1898,	40-year Pav'g, Sewer and Perm't Imp't Bonds..	5%	100,000.00
Jan. 2, 1899,	40-year Paving and Sewer Bonds.....	5%	100,000.00
Nov. 15, 1899,	40-year Sewerage and Sanitary System Bonds..	5%	300,000.00
Aug. 1, 1901,	40-year Paving Bonds.....	5%	240,000.00
" 1, 1901,	40-year Sewer Bonds.....	5%	60,000.00
" 1, 1901,	40-year School Building Bonds.....	5%	50,000.00
" 15, 1903,	40-year Market, Engine, Schoolhouse Bonds..	5%	100,000.00
Oct. 1, 1903,	40-year Paving Bonds.....	5%	300,000.00
" 1, 1904,	40-year Improvement Bonds.....	5%	100,000.00
July 16, 1906,	40-year Water Works Bonds.....	5%	434,000.00
Aug. 5, 1908,	30-year Permanent Paving Bonds.....	5%	100,000.00
Oct. 26, 1908,	30-year Water Mains Extension Bonds.....	4½ %	100,000.00
" 26, 1908,	30-year Wharf and Slip Construction Bonds..	4½ %	150,000.00
" 26, 1908,	30-year Drainage Sewer Construction Bonds..	4½ %	225,000.00
" 26, 1908,	30-year Sanitary Sewer Construction Bonds..	4½ %	225,000.00
Sept. 7, 1909,	30-year Permanent Paving Bonds.....	4½ %	100,000.00
" 27, 1910,	30-year Permanent Paving Bonds.....	4½ %	100,000.00
Jan. 30, 1911,	30-year Viaduct Bonds.....	4½ %	500,000.00
June 26, 1911,	30-year Public School Building Bonds.....	4½ %	500,000.00
Oct. 16, 1911,	30-year Refunding Bonds.....	5%	500,000.00
June 1, 1912,	Serial Permanent Paving Bonds.....	4¾ %	100,000.00
Sept. 1, 1912,	Serial Street Paving Bonds.....	4¾ %	300,000.00
" 1, 1912,	Serial High School Bonds.....	4¾ %	500,000.00
" 1, 1912,	Serial Public Park Bonds.....	4¾ %	250,000.00
" 1, 1912,	Serial Bridge Building Bonds.....	4¾ %	200,000.00
" 1, 1912,	Serial Sanitary Sewer Bonds.....	4¾ %	500,000.00
" 1, 1912,	Serial Drainage Sewer Bonds.....	4¾ %	750,000.00
TOTAL			\$8,495,000.00

Exhibit "A"—Schedule No. 5.

Sinking Fund.**CASH.**

Cash in hands of Treasurer, February 29, 1912.....	\$ 74,525.41
Cash received from General Revenues.....	<u>238,182.95</u>
TOTAL CASH AVAILABLE.....	\$312,708.36
Invested in Harris County Navigation District Bonds, current year	<u>290,000.00</u>
BALANCE CASH IN SINKING FUND (Exhibit A).....	\$ 22,708.36

SECURITIES.

Harris County Bonds in hands of Treasurer, Feb. 29, 1912..	\$116,000.00
Harris County Navigation District Bonds purchased cur- rent year	<u>290,000.00</u>
TOTAL SECURITIES IN SINKING FUND (Exhibit A)...	\$406,000.00
TOTAL SINKING FUND FEBRUARY 28, 1913.....	<u>\$428,708.36</u>

Statement of Revenue and Expense for the Years Ended February 28, 1913 and 1912.**SUMMARY.**

	1913.	1912.
REVENUE:		
Exhibit "B," Schedule No. 1—Ordinary.....	\$2,163,772.03	\$1,910,019.70
Exhibit "B," Schedule No. 2—Extraordinary.....	5,839.35	.....
TOTAL REVENUE	\$2,169,611.38	\$1,910,019.70
EXPENSE:		
Exhibit "B," Schedule No. 3—Ordinary.....	\$1,687,658.49	\$1,487,800.49
Exhibit "B," Schedule No. 4—Extraordinary.....	20,841.07	21,109.98
TOTAL EXPENSE	\$1,708,499.56	\$1,508,910.47
EXCESS OF REVENUE OVER EXPENSE.....	\$ 461,111.82	\$ 401,109.23
DISBURSEMENTS FROM GENERAL REVENUE, OTHER THAN EXPENSES:		
<i>Permanent Improvements—</i>		
Exhibit "B," Schedule No. 5.....	\$ 236,028.91	\$ 327,028.41
<i>Placed in Sinking Fund—</i>		
Exhibit "A," Schedule No. 6.....	238,182.95	94,305.41
TOTAL DISBURSEMENTS, OTHER THAN EXPENSES....	\$ 474,211.86	\$ 421,333.82
REVENUE IN EXCESS OF TOTAL DISBURSEMENTS....*	\$ 13,100.04	*\$ 20,224.59

* Deficit.

Revenue, Classified and Compared, for the Fiscal Years Ended February 28, 1913 and 1912.

GENERAL GOVERNMENT:

	1913.	1912.	Increase or Decrease
<i>Law Department—</i>			
City Attorney's Office.....\$	3,078.66	\$ 5,140.88	*\$ 2,062.22
<i>Finance Department—</i>			
Assessor and Collector:			
Interest	\$ 8,171.79	\$ 7,736.19	\$ 435.60
Advertising and Costs.....	2,790.47	2,887.34	* 96.87
TOTAL FINANCE DEPARTMENT....\$	10,962.26	\$ 10,623.53	\$ 338.73
TOTAL GENERAL GOVERNMENT.....\$	14,040.92	\$ 15,764.41	*\$ 1,723.49

PUBLIC SAFETY:

<i>Police Department—</i>			
Special Details and Appointments..\$	1,947.85	\$ 1,973.15	*\$ 25.30
Pound Fees	3,282.90	2,763.60	519.30
Dog Licenses	745.00	512.00	233.00
TOTAL	\$ 5,975.75	\$ 5,248.75	\$ 727.00
<i>Corporation Court—</i>			
Fines and Costs.....\$	23,482.10	\$ 23,351.95	\$ 130.15
Other	393.00	83.40	309.60
TOTAL	\$ 23,875.10	\$ 23,435.35	\$ 439.75
<i>Fire Department—</i>			
Miscellaneous	\$ 112.20	\$ 542.00	*\$ 429.80
<i>Health Department—</i>			
Miscellaneous	\$ 208.95	\$ 194.75	\$ 14.20
<i>Scavenger Department</i>	\$ 17,605.50	\$ 18,153.25	*\$ 547.75
<i>Electrical Department</i>	\$ 4,387.20	\$ 5,474.21	*\$ 1,087.01
TOTAL PUBLIC SAFETY.....\$	52,164.70	\$ 53,048.31	*\$ 883.61

PUBLIC WORKS:

<i>City Engineer—</i>			
Survey Fees	\$ 929.00	\$ 1,109.50	*\$ 180.50
Building Permits		2,979.00	* 2,979.00
Plumbing and Sewer Inspec'n Fees..	3,782.35	2,796.55	985.80
Other	1,098.00	982.70	115.30
TOTAL	\$ 5,809.35	\$ 7,867.75	*\$ 2,058.40
<i>Street and Bridge Department</i>	\$ 13,773.49	\$ 2,215.31	\$ 11,558.18
<i>Garbage Department</i>		\$ 30.00	*\$ 30.00
<i>Sewer System</i>	\$ 149.10	\$ 150.00	*\$.90
TOTAL PUBLIC WORK:.....\$	19,731.94	\$ 10,263.06	\$ 9,468.88
REVENUE (Forward)	\$ 85,937.56	\$ 79,075.78	\$ 6,861.78

* Decrease.

Exhibit "B"—Schedule No. 1.

(Continued)—1.

**Revenue, Classified and Compared, for the Fiscal Years Ended
February 28, 1913 and 1912—Continued.**

	1913.	1912.	Increase or Decrease
	\$ 85,937.56	\$ 79,075.78	\$ 6,861.78
PUBLIC INDUSTRIES:			
Markets	\$ 20,796.15	\$ 20,215.00	\$ 581.15
Auditorium	\$ 1,063.15	\$ 1,742.75	*\$ 679.60
Water Department—			
Water Rates	\$ 184,350.88	\$ 182,991.70	\$ 1,359.18
Meter Rents	45,228.23	31,911.65	13,316.58
Sundries	3,743.05	9,877.54	* 6,134.49
Services	9,566.60	9,714.25	* 147.65
TOTAL	\$ 242,888.76	\$ 234,495.14	\$ 8,393.62
Wharves and Slips.....	\$ 500.00	\$ 150.00	\$ 350.00
Asphalt Plant	\$ 816.45	\$ 6,219.22	*\$ 5,402.77
Dredge "Tom Ball"	\$ 2,787.13	\$ 1,626.00	\$ 1,161.13
TOTAL PUBLIC INDUSTRIES.....	\$ 268,851.64	\$ 264,448.11	\$ 4,403.53
PUBLIC EDUCATION, RECREATION AND ART:			
Schools	\$ 144,145.35	\$ 132,076.69	\$ 12,068.66
Sam Houston Park.....	1,550.00	850.00	700.00
Cleveland Park	441.00	454.00	* 13.00
Municipal Band	2,903.00	.....	2,903.00
TOTAL PUBLIC EDUCATION, RECREATION AND ART	\$ 149,039.35	\$ 133,380.69	\$ 15,658.66
TAXATION:			
Ad Valorem Tax.....	\$ 1,444,158.70	\$ 1,314,041.08	\$ 130,117.62
Occupation Taxes—			
Liquor	\$ 24,531.15	\$ 26,624.95	*\$ 2,093.80
Beer	6,270.75	7,189.85	* 919.10
Other	5,479.16	6,536.65	* 1,057.49
TOTAL	\$ 36,281.06	\$ 40,351.45	*\$ 4,070.39
Poll Tax	\$ 8,768.00	\$ 9,205.00	*\$ 437.00
Franchise Tax	\$ 123,221.09	\$ 20,854.67	\$ 102,366.42
TOTAL TAXATION	\$ 1,612,428.85	\$ 1,384,452.20	\$ 227,976.65
PREMIUM ON BONDS.....	\$ 8,441.29	\$ 1,500.00	\$ 6,941.29
MISCELLANEOUS (See Exh't D for details) \$	39,073.34	\$ 47,162.92	*\$ 8,089.58
TOTAL ORDINARY REVENUES.....	\$ 2,163,772.03	\$ 1,910,019.70	\$ 253,752.33

Exhibit "B"—Schedule No. 1.

(Concluded)—2.

REVENUE—EXTRAORDINARY	\$ 5,839.35	\$ 5,839.35
-----------------------------	-------------	-------	-------------

* Decrease.

Exhibit "B"—Schedule No. 2.

Expense, Classified and Compared, for the Fiscal Years Ended February 28, 1913 and 1912.

ORDINARY EXPENSE—

GENERAL GOVERNMENT:

Executive—

	1913.	1912.	Increase or Decrease
Mayor's Office:			
Salaries	\$ 4,000.00	\$ 4,000.00	
Other	927.19	1,261.90	* 334.71
TOTAL EXECUTIVE	\$ 4,927.19	\$ 5,261.90	*\$ 334.71

Legislative—

City Council:

Salaries	\$ 9,600.00	\$ 9,600.00	
City Secretary:			
Salaries	\$ 1,500.00	\$ 1,475.00	\$ 25.00
Stationery and Printing.....	283.65	255.50	28.15
Other	165.60	389.60	* 224.00
TOTAL	\$ 1,949.25	\$ 2,120.10	*\$ 170.85
TOTAL LEGISLATIVE	\$ 11,549.25	\$ 11,720.10	*\$ 170.85

Law Department—

City Attorney:

Salaries	\$ 8,222.67	\$ 9,110.45	*\$ 887.78
Court Costs	1,226.68	2,604.66	* 1,377.98
Other	1,081.96	2,838.74	* 1,756.78
TOTAL LAW DEPARTMENT	\$ 10,531.31	\$ 14,553.85	*\$ 4,022.54

Finance Department—

City Controller:

Salaries	\$ 5,837.50	\$ 5,295.50	\$ 542.00
Stationery and Printing.....	180.65	219.70	* 39.05
Other	113.66	141.60	* 27.94
TOTAL	\$ 6,131.81	\$ 5,656.80	\$ 475.01

City Treasurer:

Salaries	\$ 600.00	\$ 600.00	
Stationery and Printing.....	37.50	23.00	\$ 14.50
Other	10.00	.....	10.00
TOTAL	\$ 647.50	\$ 623.00	\$ 24.50

City Assessor and Collector:

Salaries	\$ 16,675.70	\$ 15,711.82	\$ 963.88
Advertising	733.72	814.88	* 81.16
Stationery and Printing.....	914.15	1,033.05	* 118.90
Other	315.52	534.55	* 219.03
TOTAL	\$ 18,639.09	\$ 18,094.30	\$ 544.79

TOTAL FINANCE DEPARTMENT

GENERAL GOVERNMENT (Forward)

* Decrease.

Exhibit "B"—Schedule No. 3.

(Continued)—1.

Expense, Classified and Compared, for the Fiscal Years Ended February 28, 1913 and 1912—Continued.

	1913.	1912.	Increase or Decrease
ORDINARY EXPENSE (Continued).			
GENERAL GOVERNMENT (<i>Forward</i>) \$	52,426.15	\$ 55,909.95	* \$ 3,483.80
<i>Miscellaneous—</i>			
City Hall:			
Repairs and Renewals. \$ 2,515.20	\$ 2,508.01	\$ 7.19	
Salaries—Operation 5,204.80	3,119.25	2,085.55	
Other—Operation 2,046.87	2,125.78	* 78.91	
TOTAL \$ 9,766.87	\$ 7,753.04	\$ 2,013.83	
Board of Appraisement:			
Salaries \$ 5,952.96	\$ 11,389.88	* \$ 5,436.92	
Other 809.89	3,476.25	* 2,666.36	
TOTAL \$ 6,762.85	\$ 14,866.13	* \$ 8,103.28	
Elections:			
Salaries of Judges and Clerks .. \$ 725.25	\$ 1,715.98	* \$ 990.73	
Stationery and Printing.....	451.25	* 451.25	
Other 588.23	1,010.35	* 422.12	
TOTAL \$ 1,313.48	\$ 3,177.58	* \$ 1,864.10	
Damages Not Charg'able to Dep'ts:			
Injuries to Individuals..... \$ 434.35	\$ 1,561.50	* \$ 1,127.15	
Damages to Property..... 80.78	. . . . .	80.78	
TOTAL \$ 515.13	\$ 1,561.50	* \$ 1,046.37	
Interest on Bonded Debt..... \$ 234,283.24	\$ 245,457.93	* \$ 11,174.69	
<i>Miscellaneous:</i>			
Salaries \$ 8,999.50	\$ 8,340.00	\$ 659.50	
Other 93,561.56	56,301.36	37,260.00	
TOTAL (Exh't C for details) .. \$ 102,561.99	\$ 64,641.36	\$ 37,920.63	
Electric Lights \$ 50,337.06	\$ 44,720.66	\$ 5,616.40	
Public Utility Commissioner..... \$ 5,605.05	\$ 2,937.50	\$ 2,667.55	
TOTAL MISCELLANEOUS \$ 411,145.67	\$ 385,115.70	\$ 26,029.97	
TOTAL GENERAL GOVERN'M'NT.. \$ 463,571.82	\$ 441,025.65	\$ 22,546.17	
ORDINARY EXPENSE (<i>Forward</i>) \$ 463,571.82	\$ 441,025.65	\$ 22,546.17	

* Decrease.

Exhibit "B"—Schedule No. 3.

(Continued)—2.

Expense, Classified and Compared, for the Fiscal Years Ended February 28, 1913 and 1912—Continued.

	1913.	1912.	Increase or Decrease
ORDINARY EXPENSE (Forward).....	\$ 463,571.82	\$ 441,025.65	\$ 22,546.17
PUBLIC SAFETY:			
<i>Police Department—</i>			
Salaries	\$ 144,164.42	\$ 116,485.63	\$ 27,678.79
Repairs and Renewals of Wagons and Harness	1,034.57	154.30	880.27
Live Stock, replacement and keep	2,464.33	694.95	1,769.38
Repairs and Renewals—Buildings	902.08	57.99	844.09
Repairs and Renewals—Equipm't	3,712.71	2,487.87	1,224.84
Light and Heat.....	725.95	437.93	288.02
Subsistence of Prisoners.....	4,083.94	3,605.00	478.94
Stationery and Printing.....	229.20	148.85	80.35
Other	4,987.50	2,675.30	2,312.20
Repairs and Renewals—Pound...	61.75	25.65	36.10
Other Expenses—Pound	692.06	750.61	* 58.55
TOTAL	\$ 163,058.51	\$ 127,524.08	\$ 35,534.43
<i>Corporation Court—</i>			
Salaries	\$ 2,400.00	\$ 2,100.00	\$ 300.00
Other	47.50	99.00	* 51.50
TOTAL	\$ 2,447.50	\$ 2,199.00	\$ 248.50
<i>Fire Department—</i>			
Salaries	\$ 102,165.85	\$ 97,537.65	\$ 4,628.20
Repairs and Renewals—Buildings	1,796.37	276.25	1,520.12
Repairs and Renewals—Furniture and Bedding	588.70	173.50	415.20
Repairs and Renewals—Equipm't	22,754.94	9,240.16	13,514.78
Live Stock, replacement and keep	9,031.46	8,335.44	696.02
Fuel for Engines.....	1,824.84	1,597.43	227.41
Lubricants and Other Engine Supplies	973.30	627.75	345.55
Chemicals	662.25	579.36	82.89
Rent .....	.....	6.60	* 6.60
Light and Heat.....	2,992.88	1,695.36	1,297.52
Stationery and Printing.....	415.90	220.25	195.65
Other	2,677.99	3,723.30	* 1,045.31
TOTAL	\$ 145,884.48	\$ 124,013.05	\$ 21,871.43
PUBLIC SAFETY (Forward).....	\$ 311,390.49	\$ 253,736.13	\$ 57,654.36
ORDINARY EXPENSE (Forward).....	\$ 463,571.82	\$ 441,025.65	\$ 22,546.17

* Decrease.

Exhibit "B"—Schedule No. 3.

(Continued)—3.

Expense, Classified and Compared, for the Fiscal Years Ended February 28, 1913 and 1912—Continued.

	1913.	1912.	Increase or Decrease
ORDINARY EXPENSE (<i>Forward</i>).....\$	463,571.82	\$ 441,025.65	\$ 22,546.17
PUBLIC SAFETY (<i>Forward</i>).....\$	311,390.49	\$ 253,736.13	\$ 57,654.36
<i>Health Department—</i>			
Salaries—Superintendence	\$ 5,200.00	\$ 4,500.00	\$ 700.00
Salaries—Inspectors	12,628.55	11,466.79	1,161.76
Operation—Pest House	1,242.72	1,201.25	41.47
Quarantine Expense	3,711.50	364.25	3,347.25
Repairs and Renewals—Crematory	85.00	.....	85.00
Laboratory	3,384.40	1,626.48	1,757.92
Drugs, Chemicals, Appliances....	1,821.80	1,243.73	578.07
Stationery and Printing.....	282.45	464.65	*
Other	10,566.59	7,353.20	3,213.39
TOTAL	\$ 38,923.01	\$ 28,220.35	\$ 10,702.66
<i>Scavenger Department—</i>			
Salaries	\$ 14,438.23	\$ 12,812.85	\$ 1,625.38
Repairs and Renewals—Equipm't	1,020.11	1,056.26	*
Live Stock, replacement and keep	2,905.05	2,188.63	716.42
Stationery and Printing.....	108.00	191.90	*
Other	174.33	256.25	83.90
TOTAL	\$ 18,645.72	\$ 16,505.89	\$ 2,139.83
<i>Electrical Department—</i>			
Salaries—Superintendence	\$ 4,620.00	\$ 4,478.60	\$ 141.40
Salaries—Inspectors	2,834.10	2,454.00	380.10
Repairs and Renewals — Fire Alarm Telegraph	2,454.04	1,741.38	712.66
Other	1,335.09	1,785.68	*
TOTAL	\$ 11,243.23	\$ 10,459.66	\$ 783.57
TOTAL PUBLIC SAFETY.....\$	380,202.45	\$ 308,922.03	\$ 71,280.42
<i>PUBLIC WORKS:</i>			
<i>Engineer's Department—</i>			
Salaries	\$ 26,157.87	\$ 18,220.82	\$ 7,937.05
Repairs and Renewals—Instr'm'ts	1.25	.....	1.25
Stationery and Printing.....	1,863.43	552.93	1,310.50
Other	1,552.99	832.16	720.83
TOTAL	\$ 29,575.54	\$ 19,605.91	\$ 9,969.63
PUBLIC WORKS (<i>Forward</i>).....\$	29,575.54	\$ 19,605.91	\$ 9,969.63
ORDINARY EXPENSE (<i>Forward</i>).....\$	843,774.27	\$ 749,947.68	\$ 93,826.59

* Decrease.

Exhibit "B"—Schedule No. 3.

(Continued)—4.

Expense, Classified and Compared, for the Fiscal Years Ended February 28, 1913 and 1912—Continued.

	1913.	1912.	Increase or Decrease
ORDINARY EXPENSE (Forward).....	\$ 843,774.27	\$ 749,947.68	\$ 93,826.59
PUBLIC WORKS (Forward).....	\$ 29,575.54	\$ 19,605.91	\$ 9,969.63
Street and Bridge Department—			
Salaries—Superintendence	\$ 7,325.12	\$ 5,276.50	\$ 2,048.62
Repairs and Renewals—Buildings	401.65	169.91	231.74
Repairs and Renewals—Equipm't	9,814.30	6,901.44	2,912.86
Repairs and Renewals—Bridges..	30,242.45	27,464.71	2,777.74
Live Stock, replacement and keep	14,348.52	10,180.48	4,168.04
Street Cleaning	35,785.64	34,321.74	1,463.90
Street Repairing	90,387.37	53,828.44	36,558.93
Other	3,032.22	2,687.24	344.98
TOTAL	\$ 191,337.27	\$ 140,830.46	\$ 50,506.81
Garbage Department—			
Salaries	\$ 26,585.58	\$ 25,391.82	\$ 1,193.76
Repairs and Renewals—Buildings	126.30	412.95	* 286.65
Repairs and Renewals—Equipm't	771.08	483.33	287.75
Other .....	.....	52.96	* 52.96
TOTAL	\$ 27,482.96	\$ 26,341.06	\$ 1,141.90
Sewer Department—			
Sanitary Sewer System — Pumping Station Operation.....	\$ 15,789.74	\$ 13,076.12	\$ 2,713.62
Sanitary Sewer System — Pumping Station Repairs, Renewals.	5,026.81	4,238.84	787.97
Sanitary Sewer System — Filter Beds	4,248.45	5,756.48	* 1,508.03
Sanitary Sewer System—Other...	321.57	967.12	* 645.55
Sewers—Repairs and Renewals..	7,091.90	4,691.44	2,400.46
Sewer Inspections	3,555.00	2,664.50	890.50
Other	1,240.51	948.91	291.60
TOTAL	\$ 37,273.98	\$ 32,343.41	\$ 4,930.57
Asphalt—			
Plant	\$ 1,135.65	\$ 4,762.60	*\$ 3,626.95
Streets	5,705.29	14,924.80	* 9,219.51
TOTAL	\$ 6,840.94	\$ 19,687.40	*\$ 12,846.46
TOTAL PUBLIC WORKS.....	\$ 292,510.69	\$ 238,808.24	\$ 53,702.45

PUBLIC INDUSTRIES:

Markets—

Salaries	\$ 3,590.00	\$ 4,423.65	*\$ 833.65
Repairs and Renewals—Buildings	530.16	512.36	17.80
Other	3,911.26	4,285.45	* 374.19
TOTAL	\$ 8,031.42	\$ 9,221.46	*\$ 1,190.04

PUBLIC INDUSTRIES (Forward).....	\$ 8,031.42	\$ 9,221.46	*\$ 1,190.04
----------------------------------	-------------	-------------	--------------

ORDINARY EXPENSE (Forward).....	\$ 1,136,284.96	\$ 988,755.92	\$ 147,529.04
---------------------------------	-----------------	---------------	---------------

* Decrease.

Exhibit "B"—Schedule No. 3.

(Continued)—5.

Expense, Classified and Compared, for the Fiscal Years Ended February 28, 1913 and 1912—Continued.

	1913.	1912.	Increase or Decrease
ORDINARY EXPENSE (<i>Forward</i>).....	\$ 1,136,284.96	\$ 988,755.92	\$147,529.04
PUBLIC INDUSTRIES (<i>Forward</i>).....	\$ 8,031.42	\$ 9,221.46	*\$ 1,190.04
Water Department—			
Salaries	\$ 13,068.50	\$ 12,769.50	\$ 299.00
Fuel	21,355.00	16,703.30	4,651.70
Lubricating Oil and Waste.....	1,480.39	1,471.44	8.95
Machinery Repairs	523.35	3,156.40	* 2,633.05
Building Repairs	779.04	2,034.98	* 1,255.94
Salaries	18,321.60	16,736.00	1,585.60
Stationery and Printing.....	2,712.93	2,513.75	199.18
Salaries and Labor.....	3,392.50	3,517.75	* 125.25
Repairs—Service Connections...	6,151.24	5,723.51	427.73
Repairs—Mains and Hydrants...	4,866.44	2,500.61	2,365.83
Meters—Repairs and Mainten'nce	3,004.85	1,595.65	1,409.20
Live Stock, replacement and keep	1,491.31	1,431.31	60.00
Interest on Bonded Debt.....	54,220.00	54,220.00	.....
Other—Sundry Expenses, Gen'l..	12,714.56	8,447.97	4,266.59
TOTAL	\$ 144,081.71	\$ 132,822.17	\$ 11,259.54
Auditorium	\$ 10,191.10	\$ 9,344.16	\$ 846.94
Houston Ship Channel.....	\$ 10,120.24	\$ 15,513.58	*\$ 5,393.34
Public Concerts, Entertainments...	\$ 24,958.23	.....	\$ 24,958.23
TOTAL PUBLIC INDUSTRIES.....	\$ 197,382.70	\$ 166,901.37	\$ 30,481.33
PUBLIC EDUCATION, RECREATION AND ART:			
Schools—			
Salaries	\$ 278,095.79	\$ 250,605.15	\$ 27,490.64
Building Repairs	6,457.60	9,327.40	* 2,869.80
Repairs and Renewals—Furniture and Fixtures	8,992.38	8,744.11	248.27
Laboratories	1,170.08	853.95	316.13
Other School Supplies.....	3,071.87	2,979.87	92.00
School Libraries	506.07	749.06	* 242.99
Rent of Sites and Buildings....	1,676.00	1,162.65	513.35
Primary	1,746.50	1,218.28	528.22
Light and Heat.....	7,812.96	5,341.95	2,471.01
Stationery and Printing.....	2,389.20	2,789.85	* 400.65
Fire Insurance	3,573.40	3,008.84	564.56
Extraordinary	3,592.96	4,109.09	* 516.13
Manual Training	3,875.06	5,321.01	* 1,445.95
Domestic Science	3,842.19	4,377.91	* 535.72
Music	245.44	5,205.57	* 4,960.13
Drawing	887.00	.....	887.00
Miscellaneous	2,707.90	.....	2,707.90
TOTAL	\$ 330,642.40	\$ 305,794.69	\$ 24,847.71
PUBLIC EDUCATION, RECREATION AND ART (<i>Forward</i>)	\$ 330,642.40	\$ 305,794.69	\$ 24,847.71
ORDINARY EXPENSE (<i>Forward</i>).....	\$ 1,333,667.66	\$1,155,657.29	\$178,010.37

* Decrease.

Exhibit "B"—Schedule No. 3.

(Continued)—6.

Expense, Classified and Compared, for the Fiscal Years Ended February 28, 1913 and 1912—Continued.

	1913.	1912.	Increase or Decrease
ORDINARY EXPENSE (<i>Forward</i>).....	\$ 1,333,667.66	\$ 1,155,657.29	\$178,010.37
PUBLIC EDUCATION, RECREATION AND ART (<i>Forward</i>)	\$ 330,642.40	\$ 305,794.69	\$ 24,847.71
<i>Sam Houston Park</i>	\$ 7,422.05	\$ 11,758.85	*\$ 4,336.80
<i>Cleveland Park</i>	\$ 1,461.30	\$ 906.11	\$ 555.19
<i>Elizabeth Baldwin Park</i>	\$ 2,687.98	\$ 1,387.55	\$ 1,300.43
<i>San Jacinto Park</i>	\$ 1,835.03	\$ 1,275.00	\$ 560.03
<i>Settegast Park</i>	\$ 240.40	.....	\$ 240.40
<i>Forsgard Park</i>	\$ 400.00	.....	\$ 400.00
<i>Fifth Ward Park</i>	\$ 135.00	.....	\$ 135.00
TOTAL PARKS	\$ 14,181.76	\$ 15,327.51	*\$ 1,145.75
<i>Houston Lyceum and Carnegie Library</i>	\$ 9,166.67	\$ 11,021.00	*\$ 1,854.33
TOTAL PUBLIC EDUCATION, RECREATION AND ART.....	\$ 353,990.83	\$ 332,143.20	\$ 21,847.63
TOTAL ORDINARY EXPENSE.....	<u><u>\$ 1,687,658.49</u></u>	<u><u>\$ 1,487,800.49</u></u>	<u><u>\$199,858.00</u></u>

Exhibit "B"—Schedule No. 3.

(Concluded)—7.

Expense, Classified and Compared, for the Fiscal Years Ended February 28, 1913 and 1912.

EXTRAORDINARY EXPENSE:

	1913.	1912.	Increase or Decrease
<i>Refund Paving Certificates</i>	<u><u>\$ 20,841.07</u></u>	<u><u>\$ 21,109.98</u></u>	<u><u>\$ 268.91</u></u>

* Decrease.

Exhibit "B"—Schedule No. 4.

Permanent Improvements From General Revenue.

Buffalo Bayou	\$ 11,000.00
Houston Avenue Bridge.....	47,596.10
Sam Houston Park.....	100.00
Jones School	500.00
Elizabeth Baldwin Park.....	712.35
Settegast Park	1,701.45
Pest House	237.45
Auditorium	7,244.89
Opening Streets	7,160.50
Automobile	2,500.00
No. 4 Engine House.....	5,277.88
No. 6 Fire Station (Equipment).....	8,500.00
Central Fire Station (Equipment).....	19,000.00
Police Department	7,710.00
Electrical Department	5,840.91
Sewer Department	1,500.00
Water Department	99,472.93
Street and Bridge Department.....	9,924.45
Washington Street School Site—Earnest Money.....	50.00

TOTAL PERMANENT IMPROVEMENTS FROM GENERAL REVENUE..... \$236,028.91

**Statement of Miscellaneous Expense Shown in Exhibit "B,"
Schedule No. "3."**

Purchasing Department	\$ 2,565.00
Boiler Inspector	1,200.00
Progressive Houston	3,854.72
Tax Discounts and Refunds.....	12,326.98
Interest, Exchange and Discounts.....	37,860.42
Advertising	4,230.97
Seabrook Juvenile School.....	13,405.94
Faith Home	1,200.00
United Charities	1,287.50
Chamber of Commerce.....	1,300.00
Houston Kindergarten	750.00
San Jacinto Day.....	250.00
Chicago Land Show.....	500.00
Confederate Veterans	30.00
No-Tsu-Oh Association	546.55
Convention Delegates	2,150.00
Refund Fines and Rewards.....	137.05
Chauffeurs and Automobile Supplies and Repairs.....	2,321.64
Hudson School Furniture Co. (old claim).....	1,516.41
Special Commissioner to Europe.....	4,502.50
Printing Annual Reports.....	400.00
Tearing Down Old Auditorium.....	573.26
Legal Services (Andrews, Ball & Streetman, I. & G. N. Ry. case).....	5,000.00
Office Boy	322.00
Watchman, Cemetery	90.00
Premium on Treasury Bond.....	140.00
Stationery and Printing.....	548.09
Auditing Books	1,000.00
Superintendence of Parks.....	250.00
Sidewalk Inspector	150.00
Long Distance Telephone Service.....	281.60
Expense, Bond Issue.....	372.06
Interstate Water Way League.....	250.00
Police Investigation	186.77
Hospital Expense	321.00
Government Engineer Hearing.....	51.00
State Comptroller	33.75
Insurance	79.30
Petitions for Street Paving.....	250.00
Sundry Items	327.48
TOTAL	\$102,561.99

Exhibit "C."

Miscellaneous Revenue as shown in Exhibit "B," Schedule No. "1."

Interest on Bank Balances.....	\$13,530.76
Interest on Harris County Bonds.....	6,960.00
Interest on Navigation District Bonds.....	14,575.00
Sale Lot No. 12, Block 455, North Side Buffalo Bayou.....	900.00
Sale of old houses on property purchased.....	900.00
Rent of old houses on property purchased.....	110.30
Sale of fence.....	25.00
Rent of property, foot of Main Street.....	840.00
South End Land Company, account Pavement.....	876.27
Refund, Entertainment, Auditorium.....	73.90
Refund Freight Charges.....	50.24
Charters, Sale	28.00
Testing Gas Meter.....	1.87
Conscience Fund	175.00
Sale of Shell.....	27.00
TOTAL	\$39,073.34

Exhibit "D."

Statement of Bond Fund Disbursements, Year Ended February 28, 1913.

STREET PAVING BOND FUND:

Cash, proceeds Bond Issue June 1, 1912.....	\$100,940.00
Cash, proceeds Bond Issue September 1, 1912.....	300,805.00
TOTAL AVAILABLE	\$401,745.00

DISBURSEMENTS.

Bell Avenue	\$ 4,884.45
Sampson Street	2,757.41
Dallas Avenue-San Felipe Street.....	27,186.43
Lamar Avenue	12.32
Travis Street	16.16
San Jacinto Street.....	14.66
McGowan Avenue	14.66
Austin Street	1,983.36
Leeland Avenue	273.68
Fannin Street	656.02
Baker Street	4,573.83
German Street	6,607.39
LaBranch Street	1,580.20
Houston Avenue	29,625.27
Harrisburg Road	424.88
Main, Travis and Preston (resurfacing asphalt).....	25,200.00
Garrott Avenue	1.95
Chenevert Street	1.95
Webster Avenue	20,523.08
Hogan-Lorraine Streets	197.73
Wood Street	777.08
Jackson Street	685.80
Schrimpf Street	340.30
Texas Avenue	2,471.30
Crawford Street	3,114.20
Harrington Street	4,415.32
Chartres Street	50.16
Smith Street	361.20
Richmond Street	3,591.38
West Alabama Avenue.....	3,852.82
Bute Addition	1,674.00
Pease Avenue	921.08
Liberty Avenue	218.40
Pacific Street	3,413.80
Capitol Avenue	2.25
San Jacinto Street.....	100.00
Congress Avenue	100.00
St. Emanuel Street	432.40
Settegast Park	3,459.48
Gray Avenue	1,141.65
Bremond Avenue	1,212.90
California Avenue	210.67
Stratford Avenue	190.30
TOTAL	\$159,271.92
Less Vouchers Paid from General Fund.....	288.69
TOTAL DISBURSEMENTS	158,983.23
BALANCE ON HAND FEB. 28, 1913 (Ex. A, Sched. 1) ..	\$242,761.77

Exhibit "E."

(Continued)—1.

**Statement of Bond Fund Disbursements, Year Ended
February 28, 1913—Continued.**

JUNIOR HIGH SCHOOL BOND FUND:

Cash, proceeds Bond Issue, September 1, 1912.....	\$501,280.62
---	--------------

DISBURSEMENTS.

South Side High School.....	\$103,649.04
North Side High School.....	<u>19,426.69</u>

TOTAL DISBURSEMENTS	123,075.73
----------------------------------	-------------------

BALANCE ON HAND FEB. 28, 1913 (Ex. A, Sched. 1) ..	<u>\$378,204.89</u>
--	---------------------

PARK BOND FUND:

Cash, proceeds Bond Issue, September 1, 1912.....	\$250,682.50
---	--------------

DISBURSEMENTS.

Hogg Park	\$ 49,467.14
Fifth Ward Park.....	25,050.00
North Side Park.....	15,045.00
Forsgard Park	102,149.04
Cleveland Park Annex.....	1,600.00
San Jacinto Park.....	<u>13,700.00</u>

TOTAL DISBURSEMENTS	207,011.18
----------------------------------	-------------------

BALANCE ON HAND FEB. 28, 1913 (Ex. A, Sched. 1) ..	<u>\$ 43,671.32</u>
--	---------------------

SCHOOL BUILDING BOND FUND:

Cash, balance on hand February 29, 1912.....	\$490,862.50
--	--------------

DISBURSEMENTS.

Rusk School	\$ 75,422.16
Sherman School	31,726.40
Colored High School.....	11,425.63
Crockett School	29,363.33
Sixth Ward School.....	62,227.40
Longfellow School	23,108.00
Fifth Ward School Site.....	6,600.00
Montrose School Site.....	18,181.44
North Side High School.....	1,142.97
Washington Street Site.....	18,249.24
Third Ward School Site No. 1.....	23,000.00
Third Ward School Site No. 2.....	2,500.00
Fourth Ward School Site.....	6,500.00

TOTAL DISBURSEMENTS—SCHOOLS	\$309,446.57
--	---------------------

Bills Payable February 29, 1912—Paid.....	22,000.00
Audited Vouchers February 28, 1913—Paid.....	<u>60.00</u>

TOTAL DISBURSEMENTS	331,506.57
----------------------------------	-------------------

BALANCE ON HAND FEB. 28, 1913 (Ex. A, Sched. 1) ..	<u>\$159,355.93</u>
--	---------------------

MAIN STREET VIADUCT BOND FUND:

Cash on hand February 29, 1912.....	\$397,482.26
Cash, interest, bank balance.....	<u>5,828.35</u>

TOTAL	\$403,310.61
--------------------	---------------------

DISBURSEMENTS.

Construction of Viaduct.....	\$250,134.47
Paid Previous Year's Vouchers.....	<u>967.76</u>

TOTAL	\$251,111.23
--------------------	---------------------

Less Warrant Outstanding.....	<u>1,025.00</u>
-------------------------------	-----------------

TOTAL DISBURSEMENTS	250,086.23
----------------------------------	-------------------

BALANCE ON HAND FEB. 28, 1913 (Ex. A, Sched. 1) ..	<u>\$153,224.38</u>
--	---------------------

Exhibit "E."

(Continued)—2.

**Statement of Bond Fund Disbursements, Year Ended
February 28, 1913—Continued.**

BRIDGE BUILDING BOND FUND:

Cash, proceeds Bond Issue, September 28, 1912.....	\$200,509.08
DISBURSEMENTS.	
Capitol Avenue Bridge (purchased land).....	10,337.70
BALANCE ON HAND FEB. 28, 1913 (Ex. A, Sched. 1).....	<u>\$190,171.38</u>

SANITARY SEWER BOND FUND:

Cash on hand February 29, 1912.....	\$ 33,760.92
Cash, proceeds Bond Issue September 1, 1912.....	<u>501,272.72</u>

TOTAL AVAILABLE \$535,033.64

DISBURSEMENTS.

Filter Beds (new).....	\$ 33,206.56
Filter Beds (old).....	16,847.56
St. Emanuel Street.....	200.00
Willow Street	3,390.90
Wood Street	3,836.80
Lyle Street	315.00
Caroline Street	1,364.10
First and Sixth Wards.....	421.67
Second Ward	1,361.65
Fifth Ward	354.87
Noble Street	623.20
McKee Street	340.10
Helena Street	2,566.50
Jackson-Maple Streets	165.00
York Street	31.66

TOTAL DISBURSEMENTS 65,025.57

BALANCE ON HAND FEB. 28, 1913 (Ex. A, Sched. 1)

\$470,008.07

DRAINAGE SEWER BOND FUND:

Cash, proceeds of Bond Issue, September 1, 1912.....	\$751,909.07
DISBURSEMENTS.	

First and Sixth Wards.....	\$ 238.00
Fourth Ward	910.15
Third Ward	150.00
Second Ward	459.50
Ann Street	861.30
Houston Avenue	2,428.38
Woodland Heights	2,507.67
Rusk Avenue	555.30
Sawyer Street	510.50
Valentine Street	932.25
Texas Avenue	2,361.88
Calhoun Avenue	212.50

TOTAL DISBURSEMENTS 12,127.43

BALANCE ON HAND FEB. 28, 1913 (Ex. A, Sched. 1)

\$739,881.64

Exhibit "E."

(Concluded)—3.

Statement of Department Expenses for the Year Ended February 28, 1913, Showing Budget Allowances and Expenses.

	Amount Appropriated	Amount Expended	Expended More than Appropriated	Expended Less than Appropriated
EXECUTIVE:				
Mayor	\$ 5,000.00	\$ 4,927.19	.....	\$ 72.81
LEGISLATIVE:				
City Secretary	1,500.00	1,949.25	\$ 449.25	.....
City Council	9,600.00	9,600.00	.....	.....
LAW DEPARTMENT:				
City Attorney	12,000.00	10,531.31	.....	1,468.69
FINANCE DEPARTMENT:				
Controller	6,000.00	6,131.81	131.81	.....
Treasurer	620.00	647.50	27.50	.....
Assessor and Collector..	18,000.00	18,639.09	639.09	.....
MISCELLANEOUS DEPARTMENT:				
City Hall	4,000.00	9,766.87	5,766.87	.....
Elections	1,000.00	1,313.48	313.48	.....
Damages Not Chargeable to Departments	1,000.00	515.13	.....	484.87
Interest on Bonds.....	265,000.00	234,283.24	.....	30,716.76
Miscellaneous Expense...	15,000.00	102,561.99	87,561.99	.....
Electric Lights	50,000.00	50,337.06	337.06	.....
Board of Appraisement..	.....	6,762.85	6,762.85	.....
Public Utility Commr...	.....	5,605.05	5,605.05	.....
PUBLIC SAFETY:				
Police	110,000.00	163,058.51	53,058.51	.....
Corporation Court	2,500.00	2,447.50	.....	52.50
Fire Department	125,000.00	145,884.48	20,884.48	.....
Health Department	25,000.00	38,923.01	13,923.01	.....
Scavenger Department...	13,000.00	18,645.72	5,645.72	.....
Electrical Department...	8,000.00	11,243.23	3,243.23	.....
PUBLIC WORKS:				
Engineer	20,000.00	29,575.54	9,575.54	.....
Street and Bridge.....	125,000.00	191,337.27	66,337.27	.....
Garbage	25,000.00	27,482.96	2,482.96	.....
Sewer	25,000.00	37,273.98	12,273.98	.....
Asphalt .....	.....	6,840.94	6,840.94	.....
PUBLIC INDUSTRIES:				
Market	7,000.00	8,031.42	1,031.42	.....
Water Dept. Expenses...	135,000.00	144,081.71	9,081.71	.....
Auditorium .....	.....	10,191.10	10,191.10	.....
PUBLIC EDUCATION, RECREATION AND ART:				
Schools—State	141,690.00	} 330,642.40	.....
City	210,000.00		.....	21,047.60
Parks	10,000.00	14,181.76	4,181.76	.....
Carnegie Library	10,000.00	9,166.67	.....	833.33
Public Amusement and Entertainment .....	.....	24,958.23	24,958.23	.....
EXTRAORDINARY:				
Houston Ship Channel...	5,000.00	10,120.24	5,120.24	.....
Refund Pav'g Certificates	21,000.00	20,841.07	.....	158.93
Permanent Improveme'ts	25,000.00	236,028.91	211,028.91	.....
Sinking Fund	168,000.00	238,182.95	70,182.95	.....
TOTAL	\$1,599,910.00	\$2,182,711.42	\$637,636.91	\$54,835.49
		1,599,910.00	54,835.49	
		\$ 582,801.42	\$582,801.42	

Exhibit "F."

ANNUAL REPORT

OF

JAMES P. WELSH,

CITY ASSESSOR AND COLLECTOR, I.

SHOWING COLLECTION AND
DISPOSITION OF TAXES

For the Year Ending February 28, 1913.

REPORT OF CITY ASSESSOR AND COLLECTOR.

HOUSTON, TEXAS, March 10, 1913.

To the Honorable Mayor and Commissioners:

Complying with the Ordinances and the Charter requiring the heads of Departments to make their annual report, I herewith submit the following:

Report of collections and distributions hereto attached speaks for itself in detail.

Valuations for year 1912 are as follows:

Rendered assessment roll.....	\$89,813,540.00
Unrendered roll	5,407,680.00
Supplemental roll	1,052,630.00
Total	\$96,273,850.00

The rate being \$1.50 a hundred makes the tax to be collected \$1,444,107.75 of which about 96% has been collected.

There seems to be a disposition of a part of the Board of Appraisement to specify what property shall bear the burden of taxation and what shall be exempt from taxation, which is contrary to the general laws of the State of Texas as said laws declare that all property which is specified therein for levying taxes shall be uniform and equal, such as land, buildings, personal and all other property, and not as now in operation, viz:

The capital stock, surplus and undivided profits of banks and trust companies were for the year 1912 assessed at 80%; improvements at about 33 1/3%; stocks of goods and merchandise at about 50%, and land varying from about 35% to 75%, according to districts. There should be a disposition on the part of the Board of Appraisement which should be unanimous to treat all alike and make all property bear its equal burden of taxation and not put the burden on one class of our citizens and the other be relieved from paying anything directly to the government. True, there has been

a great improvement in the equalizing of property in the City of Houston for the last two years, especially 1912, through the adoption of the Somers System, a new method installed last year, but the laws are on the statute books and should be enforced as far as practicable and not entirely ignored. I merely make these suggestions as a large number of our citizens were very much dissatisfied on account of such occurrences.

You will also find attached to this report the expenses maintained for the running of the department as allowed by the City Council.

Thanking you for every assistance rendered the office, I beg to remain,

Yours very truly,

JAMES P. WELSH,

City Assessor and Tax Collector.

**Annual Report of Collections and Distributions for the Year Ending
February 28, 1913.**

COLLECTIONS.

Ad Valorem Tax—Bonds.....	\$ 703,006.79	
General	703,006.80	\$ 1,406,013.59
Costs—Interest	\$ 8,171.79	
Advertising and other.....	2,790.47	
Court	1,000.58	11,962.84
Occupation Tax—Liquor	\$ 24,531.15	
Beer	6,270.75	
Other	5,482.16	36,284.06
Poll Tax	\$ 8,765.00	8,765.00
Franchise Tax	\$ 23,221.09	23,221.09
Special Deposits	\$ 6,766.50	
Permits and Fees.....	5,791.85	
Miscellaneous	74,592.75	
Bills for Collection.....	{ 133,428.33 } 2,457.35	223,036.78
Water Department	\$ 241,809.40	241,809.40
Balance on hand February 29, 1912.....		4,039.42
Total		<u>\$1,955,132.18</u>

DISTRIBUTIONS.

Deposited with City Treasurer:

March, 1912.....	\$ 35,501.73	
April, "	44,699.10	
May, "	37,572.10	
June, "	31,036.21	
July, "	233,917.39	
August, "	25,707.91	
September, "	46,075.29	
October, "	45,502.82	
November, "	109,224.58	
December, "	528,220.32	
January, 1913.....	497,107.35	
February, "	102,911.96	\$1,737,476.76

By error in deposit slip April 2, and corrected

Report June 18th, 1912..... .21

Deposited with Board of Liquidation:

June, 1912.....	\$ 39,645.62	
July, "	135,292.50	
August, "	27,600.00	
September, "	9,196.66	211,734.78

Balance on hand February 28, 1913..... 5,920.43

Total

\$1,955,132.18

REVENUE.

For the Month of February.

	1913	1912	Increase or Decrease
ORDINARY:			
Interest	\$687.27	\$802.37	**\$115.10
Advertising	96.87	128.70	* 31.83
Total Ordinary	<u>\$784.14</u>	<u>\$931.07</u>	<u>**\$146.93</u>
Total Revenue	<u>\$784.14</u>	<u>\$931.07</u>	<u>**\$146.93</u>

For the Twelve Months Ended February.

	1913	1912	Increase or Decrease
ORDINARY:			
Interest	\$ 8,171.79	\$ 7,736.19	\$435.60
Advertising	2,790.47	2,887.34	* 96.87
Total Ordinary	<u>\$10,962.26</u>	<u>\$10,623.53</u>	<u>\$338.73</u>
Total Revenue	<u>\$10,962.26</u>	<u>\$10,623.53</u>	<u>\$338.73</u>

EXPENSE.

For the Month of February.

	1913	1912	Increase or Decrease
ORDINARY:			
A. Salaries	\$1,370.00	\$1,413.30	** 43.30
B. Advertising	658.62	.....	658.62
C. Stationery and Printing.....	24.95	.....	24.95
D. Other	13.00	119.25	* 106.25
Total Ordinary	<u>\$2,066.57</u>	<u>\$1,532.55</u>	<u>\$534.02</u>
Total Expense	<u>\$2,066.57</u>	<u>\$1,532.55</u>	<u>\$534.02</u>

For the Twelve Months Ending February.

	1913	1912	Increase or Decrease
ORDINARY:			
A. Salaries	\$16,573.70	\$15,711.82	\$861.88
B. Advertising	733.72	814.88	* 81.16
C. Stationery and Printing.....	843.10	832.90	10.20
D. Other	319.22	734.70	* 415.48
Total Ordinary	<u>\$18,469.74</u>	<u>\$18,094.30</u>	<u>\$375.44</u>
Total Expense	<u>\$18,469.74</u>	<u>\$18,094.30</u>	<u>\$375.44</u>

Amount of appropriation for 1912.....\$18,000.00
 Amount expended as above.....18,469.74

Amount expended over and above appropriation.....\$ 469.74

* Decrease

ANNUAL REPORT

OF

F. L. DORMANT,

CITY ENGINEER,

For the Year Ending February 28, 1913.

REPORT OF CITY ENGINEER.

HOUSTON, TEXAS, March 1, 1913.

HON. H. B. RICE,

Mayor of the City of Houston.

DEAR SIR:—I have the honor to present herewith my report of the operations of the Engineering Department for the year ending February 28, 1913.

I desire to commend the employes of this department for the earnest work and loyal support which they have accorded me in the discharge of their duties.

The statements hereto appended show the work done and contemplated, the amounts expended on each piece of work, and the work already let by contract, and shortly to be let and to be paid for out of the amount set aside by the recent bond issue.

Respectfully submitted,

F. L. DORMANT.

City Engineer.

Bridges.

The Main Street Viaduct will be completed about the first week in April. Work on this structure has been delayed considerably on account of bad and rainy weather, and the inability of the contractors to secure material, caused by shortage of cars and other unavoidable delays.

The concrete work on the main viaduct will be completed in about a week, and the erection of the roadway connecting the Wood Street approach with Girard Street is well under way.

The city is now putting in the ducts for electric light wires, telephone wires, water mains and gas mains, hydrants, etc. When completed the total length of the ducts alone will amount to 5 3/10 miles. The Houston Electric Company will commence the laying of their double track in a few days.

San Jacinto Street Bridge.

Plans for this contemplated structure have been completed for some time and the erection of this bridge is only delayed by the decision of the United States Government whether a stationary bridge or a lift bridge will be adopted.

The proposed bridge will be 70 feet wide and 330 feet long, with a 50-foot roadway, and no street car tracks will be provided as the Main Street Viaduct is intended to take care of the street car traffic for the North Side.

Houston Avenue Bridges.

The two bridges on Houston Avenue have been completed. They are both paved with vitrified brick 50 feet wide, and double-tracked. The location of the second bridge nearest to Woodland Heights was changed to a more westerly position, so as to provide for a wide boulevard west and in front of Highland Park.

As the original wooden bridge crossing White Oak Bayou, now replaced by a concrete structure, was only 20 feet wide, and the new bridge being 50 feet wide, and as the approaches to the old bridge are 20 feet wide, it will be neces-

sary to build concrete retaining walls both north and south of the largest bridge. When this is done, Houston Avenue will be one of the prettiest driveways in the city.

Capitol Avenue Bridge.

Plans have been completed for a concrete bridge, connecting both Capitol Avenue and Rusk Avenue with Young Avenue and Moore Street in the Sixth Ward.

This structure will be 60 feet wide, with a double street car track, and will greatly relieve the now existing congested condition on Washington Avenue. Bids for the construction of this bridge will be received and opened March 3, 1913.

Calhoun Street Storm Sewer.

The contract for the construction of this sewer has been let to Horton & Horton, general contractors, of Houston, Texas. The contract price for this sewer is \$47,246.94. This sewer will extend from Louisiana Street to St. Charles Street, being respectively 3 and 5 feet in diameter.

The work will be done in open cut, Parmley block construction. The blocks are now being delivered on Calhoun Street and actual construction will commence in a few days.

Fourth Ward Storm Sewer.

The contract for this large storm sewer, similar in size and construction to the Austin Street storm sewer, was let to Horton & Horton, general contractors, of Houston, Texas. The contract price for this storm sewer is \$269,720.85. Actual construction on this sewer was started in February.

The route of this sewer is as follows: Commencing at Crosby Street and Buffalo Bayou, it will traverse the following streets: Crosby Street, Calhoun Street to Smith Street; Smith Street to McGowen Avenue; McGowen Avenue to Milam Street; Milam Street to West Alabama Street; West Alabama Street to G. H. & S. A. Railway, with a large lateral sewer on Elgin Avenue, thus doing away with the unsightly Elgin Street ditch.

The construction of this Fourth Ward storm sewer will vastly improve present drainage conditions. Upon the completion of this sewer with its laterals, no more surface drainage will cross Main Street.

As mentioned in my previous annual report, there is a natural fall from the G. H. & S. A. Railway to Main Street of nine feet. All the surface water of this territory will be intercepted by the Fourth Ward storm sewer, thus preventing hereafter the flooding of Main and Elgin, Tuam Avenue, Rosalie Street, Anita, Francis and numerous other streets.

First and Sixth Ward Storm Sewers.

The contract for the construction of this storm sewer was let to H. C. Gass, of Bellville, Ill. The contract price is \$43,250.55. Work will commence in a few days.

The route of this storm sewer is as follows: Commencing at Houston Avenue and Washington Avenue:

Thence East on Washington Avenue to Hickory Street;
Thence North on Hickory Street to Shearn Street;
Thence West on Shearn Street to White Oak Bayou.

A branch lateral will be built on Houston Avenue, north of Washington to Center Street. During every heavy rain, the intersection of Houston Avenue and Center Street is a veritable lake. When this sewer is completed that part of Houston Avenue between the H. & T. C. Railroad and Washington Avenue will be paved with vitrified brick, as originally contemplated. As I do not believe in paving without adequate drainage, the paving of Houston Avenue from the H. & T. C. Railroad to Washington Avenue has been postponed until the completion of the First Ward Storm Sewer.

Catch basins and connections have been put in, on the recently paved portion of Houston Avenue north of the H. & T. C. Railroad to Spring Street, awaiting the completion of the First Ward Storm Sewer, there being considerable fall of the territory west of Houston Avenue to Hickory Street.

Second Ward Storm Sewers.

The flattest portion of the City of Houston south of Buffalo Bayou is undoubtedly the territory east of Crawford Street, embracing the Third and Second Wards.

The drainage of the Third Ward will be taken up in another portion of this report.

From Shepherd Street and the Harrisburg Road, east to the easterly city limits, the surface has only a slight fall.

After an extended and laborious topographical survey of the Second Ward, it was decided to build the main storm sewer on German Street from Buffalo Street east. Large laterals have been projected on Velasco Street, Milby Street, north and south, and numerous laterals crossing the Harrisburg Road between the G. H. & S. A. Railroad and German Street as far east as Stiles Street at the easterly city limits.

Plans and specifications for the construction of this sewer have been adopted, and the Mayor has been authorized to at once advertise for bids for the construction of this system of storm sewers. The contract for the construction of this storm sewer will be let in at least two or more different contracts, so as to push the completion of this system to an early date.

When this system is completed the Second Ward will be one of the best drained territories in the whole City of Houston.

The Extension of the Austin Street Storm Sewer.

To effectually drain the territory lying south of Elgin Street and east of Main Street, it will be necessary to extend the Austin Street Storm Sewer south of Elgin Street to a point near the S. A. & A. P. Railway. The cost of construction of this sewer is included in the amount recently voted for in the last bond issue. In my report on drainage hereto attached I will indicate the importance of this work.

Sanitary Sewers.

The recently voted bond issue set aside for the construction of Sanitary Sewers the amount of \$500,000.00. Up to date contracts have been let for the construction of sanitary sewers as follows:

First and Sixth Ward Sanitary Sewers, \$29,000.00. Contract awarded to F. D. Horton & Son.

Fifth Ward Sanitary Sewers, \$48,454.00. Contract awarded to F. D. Horton & Son.

Second Ward Sanitary Sewers, \$93,414.65. Contract awarded to Freund & Quay.

Of the above contracts, actual work has been commenced in the First, Second and Sixth Wards.

Construction on the Fifth Ward Sanitary Sewers will commence shortly, the pipe being en route to this city.

In the Second Ward, construction of the Sanitary System necessarily had to commence at the site of the proposed pumping station. That portion of the Second Ward lying west of the I. & G. N. Railway is well provided with sanitary sewers, and the sewage of that district is taken care of by the Willow Street Pumping Station.

East of the I. & G. N. Railway there is only one line of sanitary sewers. It will take about ten months to complete the construction of sanitary sewers in the Second Ward, now under contract. During that time the construction of the new pumping station will be commenced, and this will be finished about the same time the sanitary sewer system east of the I. & G. N. Railway, now under construction, is finished.

Contracts will shortly be let for the construction of two intercepting sanitary sewers, both discharging at the proposed new pumping station located south of the southern city limits. The object of this arrangements is, first, to relieve the La Branch Street sewer, the main sewer for the Third Ward. Second, to lessen the quantity of sewage to be pumped at the Willow Street Pumping Station. Third, to abolish the sub-pumping station at Louisiana and Berry

Streets. Through this arrangement the new pumping station will be kept in continuous operation. Whenever a territory without sanitary sewerage is sewered, it takes a long time for people adjacent to the new sewers to connect their premises with the new system, but with the present arrangement of intercepting sewage from a territory which is now overloaded, it is evident that the plant to be erected will do its duty from an economical standpoint.

The New Sewage Disposal Plant.

Sketches showing the general arrangement of the new disposal plant have been finished, and details are now being worked out in my office.

It is proposed to make this the most modern plant in existence in the State of Texas.

The sewage arriving at the plant is passed through two Imhoff tanks with reversible flow. From the Imhoff tanks the effluent is pumped to two sprinkling filters. The effluent from the sprinkling filters is mixed with a solution of hypochloride of calcium before it arrives at the final settling basins. From the settling basins, the effluent flows to sand filters, where, after filtration, it discharges entirely purified into Simms Bayou. A sludge bed parallel to the Imhoff tanks takes care of the sludge deposited in both the Imhoff tanks and the settling basins.

Paving and Drainage.

Up to date 72 petitions have been received by the City Government for paving various streets, a list of which is hereto attached. Of these 72 petitions 69 are for streets south of the Buffalo Bayou, and all for streets situated in the Third and Fourth Wards.

In the Third Ward contracts for paving have been awarded for the following streets:

Austin Street, from Texas Avenue to McGowen Avenue.

Lamar Avenue, from Main Street to Crawford Street.

Fannin Street, from McKinney Avenue to McGowen Avenue.

LaBranch Street, from Leeland Avenue to McGowen Avenue.

Leeland Avenue, from Crawford Street to S. A. & A. P. R. R.

McGowen Avenue, from Crawford Street to S. A. & A. P. R. R.

San Jacinto Street, from McGowen Avenue to Rosalie Avenue.

In the Fourth Ward contracts have been awarded for the following streets:

- Louisiana Street, from Capitol Avenue to Berry Avenue.
- West Alabama Avenue, from Main Street to G. H. & S. A. R. R.
- Burlington Avenue, from Hawthorne Ave. to West Alabama Ave.
- Travis Street, from Leeland Avenue to McGowen Avenue.
- Anita Avenue, from Main Street to Baldwin Street.
- McGowen Avenue, from Milam Street to Albany Street.

The drainage of the Third Ward will be taken care of by the large Austin Street sewer.

As all the drainage of the unpaved streets crossing Austin Street is at present taken care of by ditches, it was necessary during the construction of this sewer, to put the inlets to the catch basins low enough to collect the water from these ditches. During the paving of Austin Street most of these inlets will have to be re-adjusted, unless a deep cut is made on Austin Street. The natural fall of the Third Ward is easterly, originally toward the Chartres Street sewer. Yet, when San Jacinto Street was paved from Preston Street to McGowen Avenue, the grade of that street was put practically at the same elevation as Main Street, hence, it is now impossible to take surface drainage from Main Street to San Jacinto Street across Fannin Street, all the intersections on Fannin being higher than either Main or San Jacinto Street.

It is thus evident that when Fannin Street is paved, it will have to be cut down, thus creating a valley between Main and San Jacinto Streets. The same remark applies in a general way to La Branch and Caroline Streets. It is, therefore, evident that before commencing paving on any or all streets in the Third Ward, north of Elgin Street for which contracts have been let, that it is imperative to at once construct the necessary lateral sewers to the Austin Street Sewer, otherwise it will be impossible to take care of the surface drainage.

The greatest part of the cost of these laterals will be offset by the diminishing of the amount of grading necessary on the streets now to be paved, and to be paved in the future, and doing away with costly cross-culverts and expen-

sive cast-iron plates, and the cost of maintenance to keep these clean and in working order. For any contemplated paving in the Third Ward south of Elgin Street, it will be necessary to extend the present Austin Street Sewer, as heretofore mentioned.

In making estimates for amount necessary to be expended for storm sewers, the item of laterals was included in the amount of bonds voted for.

The same remarks as to drainage apply to streets to be paved in the Fourth Ward, except Louisiana Street north of Pease Avenue.

Drainage must be taken care of before paving, and I see no wisdom in paving certain streets and taking the surface water of the paved portion to a point of the same street which is not paved.

I therefore respectfully suggest that the City at once advertise for bids for the construction of storm laterals. By building these laterals I will guarantee perfect drainage.

The Present Building Ordinance.

In my preceding annual report, I recommended a complete revision of the Building Ordinances now in use. They have been revised to a certain extent but are not what they ought to be. Reinforced concrete construction is not covered with the necessary fullness, and I recommend that the Mayor appoint a committee of three, consisting of the City Engineer, a Structural Engineer and an Architect.

New Pavements for the Year Ending February 28, 1913.

BRICK PAVEMENTS.

<i>Texas Ave., from Chartres St. to St. Emanuel St.....</i>	1 Block
Length	329 Ft.
Width	57.8 "
Square Yards	2,483.9
Cost	\$6,458.14
Deductions (Property Owners).....	\$3,986.84
Total Cost to City.....	\$2,471.30
Cost per Square Yard.....	\$2.60

<i>Crawford St., from Preston Ave. to Congress Ave.....</i>	1 Block
Length	280 Ft.
Width	35 "
Square Yards	1,088.8
Cost	\$3,042.69
Deductions (Property Owners).....	\$1,816.12
Total Cost to City.....	\$1,226.57
Cost per Square Yard.....	\$2.794

SHELL PAVEMENTS.

<i>Gray Ave., from Chartres St. to Hutchins St.....</i>	2 Blocks
Length	620 Ft.
Width	35 "
Square Yards	2,411
Total Cost	\$1,556.20
Cost per Square Yard.....	\$0.645

<i>Harrington St., from Hardy St. to Montgomery Ave....</i>	11 Blocks
Length	3,108 Ft.
Width	30 "
Square Yards	10,360
Total Cost	\$4,985.37
Cost per Square Yard.....	\$0.481

<i>Bremond St., from Nance St. to Conti St.....</i>	3 Blocks
Length	860 Ft.
Width.	30 "
Square Yards	2,700
Total Cost	\$1,713.75
Cost per Square Yard.....	\$0.634

<i>St. Emanuel St., from Gray Ave. to Webster Ave.....</i>	1 Block
Length	295 Ft.
Width	35 "
Square Yards	1,147
Total Cost	\$432.40
Cost per Square Yard.....	\$0.377

<i>Shrimp St., from Tafte to Runnels St.....</i>	<i>1 Block</i>
Length	300 Ft.
Width	18 "
Square Yards	600
Total Cost	\$340.30
Cost per Square Yard.....	\$0.566
<i>Jackson St., from Elgin Ave. to Holman Ave.....</i>	<i>3 Blocks</i>
Length	790 Ft.
Width	30 "
Square Yards	2,633
Total Cost	\$685.80
Cost per Square Yard.....	\$0.260

BRICK STREETS UNDER CONSTRUCTION.

<i>Houston Ave., from Washington Ave. to Spring St.....</i>	<i>10 Blocks</i>
<i>Dallas Ave. and San Felipe St., from Milam St. to Wilson St..</i>	<i>15 Blocks</i>
<i>Webster Ave., from Main St. to Crawford St.....</i>	<i>6 Blocks</i>

Petitions Received for Paving During the Fiscal Year 1912.

Name of Street	From	To	Material
1. Fannin	McKinney	Leeland.....	Wood Block
2. McGowen	Crawford	S. A. & A. P....	Bitulithic
3. Holman	Main	Crawford	Wood Block
4. Louisiana	Berry	Stuart	Bitulithic
5. West Alabama..	Main	G. H. & S. A....	Bitulithic
6. Westmoreland...	Garrott	Berry	Bitulithic
7. Milby	Dallas	Leeland	Shell
8. St. Emanuel....	McGowen	Sternenberg	Bitulithic
9. San Jacinto....	McGowen	Rosalie	Bitulithic
10. Fannin	McGowen	Eagle	Wood Block
11. Webster	Main	Crawford	Brick
12. Pierce	Main	Brazos	Wood Block
13. Elgin	Main	Hamilton	Wood Block
14. Burlington	Hawthorne	West Alabama..	Bitulithic
15. Rosalie	Main	Bagby	Bitulithic
16. Stratford	Baldwin	Ariel	Bitulithic
17. Austin	Texas	Prairie	Brick
18. LaBranch	Texas	Prairie	Brick
19. Travis	Leeland	McGowen	Wood Block
20. Baker	Willow	Pine	Brick
21. LaBranch	Webster	McGowen	Wood Block
22. Leeland	Crawford	S. A. & A. P....	Hassam Concrete
23. Lamar	Main	Crawford	Wood Block
24. Brazos	McGowen	Jefferson	Wood Block
25. LaBranch	Leeland	Webster	Wood Block
26. Milam	Berry	Anita	Wood Block
27. San Jacinto....	Eagle	Rosalie	Bitulithic

Name of Street	From	To	Material
28. Hamilton	Leeland	Dallas	Hassam Concrete
29. Caroline	McKinney	Leeland	Bitulithic
30. Crawford	Preston	Congress	Brick
31. Anita	Main	Baldwin	Bitulithic
32. Bell	Chartres	Hamilton	Hassam Concrete
33. Thomas	Paschal	Winnie	Shell
34. Austin	Texas	McGowen	Bitulithic
35. Louisiana	Congress	Capitol	Wood Block
36. Travis	Richmond	G. H. & S. A....	Shell
37. Abbott	Travis	Main	Shell
38. Louisiana	Gray	Stuart	Bitulithic
39. McGowen	Milam	Albany	Bitulithic
40. Hathaway	Baldwin	Ariel	Bitulithic
41. Avondale	Baldwin	Ariel	Bitulithic
42. Elgin	Main	Baldwin	Bitulithic
43. LaBranch	Bell	Leeland	Wood Block
44. Gray	Crawford	Main	Wood Block
45. Andrews	Frederick	Wilson	Brick
46. Fannin	Leeland	McGowen	Wood Block
47. Fannin	McGowen	Eagle	Wood Block
48. Main	Franklin	Commerce	Wood Block
49. Baker	Genesee	G. H. & S. A....	Bitulithic
50. Milby	Huntington	Bomar	Oil Gravel
51. Texas	Main	Louisiana	Wood Block
52. Louisiana	Capitol	Pease	Texas Asphalt
53. Louisiana	Pease	Gray	Bitulithic
54. LaBranch	Preston	Prairie	Brick
55. LaBranch	Franklin	Commerce	Brick
56. Rusk	Milam	Bagby	Brick
57. Austin	Preston	Congress	Brick
58. Walker	Caroline	Hamilton	Brick
59. Washington	Fifth	210 ft. from W. line of Third..	Brick
60. Prairie	Milam	Smith	Brick
61. LaBranch	Texas	Walker	Brick
62. Capitol	Caroline	Chartres	Texaco Asphalt
63. Lamar	Main	Milam	Wood Block
64. Garrott	West Alabama ..	Hawthorne	Texaco Asphalt
65. Chenevert	Texas	Leeland	Texaco Asphalt
66. Jackson	Texas	Dallas	Brick
67. Polk	Main	LaBranch	Bitulithic
68. Chenevert	Leeland	McGowen	Texaco Asphalt
69. Hawthorne	Ariel	Louisiana	Texaco Asphalt
70. Jackson	Calhoun	Tuam	Brick
71. Drew	Milam	Genesee	Texaco Asphalt
72. Louisiana	Congress	Capitol	Brick

Asphalt Repairs.**REVENUE.**

March,	1912.....	\$ 18.90
April,	"	515.05
May,	"	28.35
June,	"	224.30
July,	"	4.05
August,	" .....	....
September,	" .....	....
October,	" .....	....
November,	" .....	....
December,	" .....	....
January, 1913.....		25.80
February, "	.....	....
Total Revenue for year ending 1913.....		\$816.45

EXPENSE.

Month	Year	(A)	(B)	Total
		Asphalt Plant Operation	Asphalt Repairs, Streets	
March,	1912.....	\$ 359.47	\$1,884.79	\$2,244.26
April,	"	405.98	873.80	1,279.78
May,	"	201.05	1,062.72	1,263.77
June,	"	64.32	96.75	161.07
July,	"	75.00	7.00	82.00
August,	" .....	.....	230.23	230.23
September,	" .....	.....	225.00	225.00
October,	" .....	.....	325.00	325.00
November,	"	29.83	325.00	354.83
December,	" .....	.....	225.00	225.00
January, 1913.....		.....	225.00	225.00
February, "	.....	.....	225.00	225.00
Totals		\$1,135.65	\$5,705.29	\$6,840.94

Cost of operation of asphalt plant for year ending 1913.....	\$1,135.65
Cost of repairs of asphalt streets for year ending 1913.....	5,705.29
Total cost	\$6,840.94
Total cost of operation of asphalt repairs.....	\$6,840.94
Total amount of revenue from asphalt repairs.....	816.45
Total cost to City.....	\$6,024.49

Shell Streets Under Construction.

Bell Avenue, from Travis Street to Crawford Street..... 7 Blocks
 Webster Avenue, from Crawford Street to Jackson Street..... 1 Block
 Pease Avenue, from Crawford Street to San Jacinto Street..... 4 Blocks
 Sampson Street, between Sampson and Leeland, Scott and Polk.....

Total Number of Lineal Feet of Pavement Put Down by the City for the Year Ending February 28, 1913.

Total number of lineal feet of brick pavement.....	609
Total number of lineal feet of shell pavement.....	<u>5,973</u>
Total lineal feet.....	6,582

Total Number of Lineal Feet of Pavement Put Down by the Houston Land Corporation (Montrose Addition).

Total number of lineal feet of asphalt pavement.....	5,340
Total number of lineal feet of shell and granite pavement.....	26,850
Total number of lineal feet of shell pavement.....	<u>4,400</u>
Total lineal feet.....	36,590
Total number of miles of pavement put down for the year ending February 28, 1913.....	8.17

TABULATIONS.

Class	1912	1913	Increase
	Sq. Yds.	Sq. Yds.	
Asphalt	186,362	198,228	11,866
Brick	405,339	408,912	3,573
Belgian Block	1,892	1,892	....
Bois d'Arc	47,811	47,811	....
Macadam	36,948	36,948	....
Gravel	624,585	624,585	....
Shell	406,525	433,998	37,473
Shell and Granite.....	35,778	110,255	74,477
Bitulithic	5,039	5,039	....
Totals	<u>1,750,279</u>	<u>1,877,668</u>	<u>127,389</u>
Mileage, year ending February 28, 1913.....		110.99 Miles	
Mileage, year ending February 29, 1912.....		102.82 "	
Increase for year ending 1913 over 1912.....		8.17 Miles	

Statement of Revenue and Expense of the City Engineer, for the Annual Report for Year Ending February 28, 1913.

REVENUE.

MONTH	24-A Surveying Fees	24-B Building Permit Fees	24-C Plumbing Permits and Sewer Inspection Fees	24-D Others, Street Open- ing and Drain Laying Fees	Total for the Month
March.....	\$108.00	\$.....	\$227.00	\$ 76.50	\$411.50
April.....	90.50	.....	306.20	86.50	483.20
May.....	96.00	.....	408.20	113.50	617.70
June.....	59.50	.....	408.85	170.50	638.85
July.....	103.50	.....	521.90	121.00	746.40
August.....	42.00	.....	555.95	108.50	706.45
September.....	56.00	.....	234.50	96.00	387.00
October.....	97.00	.....	248.40	75.50	420.90
November.....	90.50	.....	177.00	59.50	327.00
December.....	42.00	.....	241.90	66.00	349.90
January.....	73.00	.....	212.90	68.00	353.90
February.....	70.50	.....	239.55	56.50	366.55
Total for 12 months ending Feb. 28, 1913.	\$ 929.00	.....	\$3782.35	\$1098.00	\$5809.35
Total for 12 months ending Feb. 29, 1912.	\$1109.50	\$2979.00	\$2796.55	\$ 982.70	\$7867.75
Increase.....	\$.....	\$.....	\$985.80	\$115.30	\$.....
Decrease.....	\$ 180.50	\$2979.00	\$.....	\$.....	\$2058.40
Total amount of Revenue decrease for the year ending February 28, 1913.....					\$2,058.40

EXPENSE.

Month	24-A Salaries	24-B Repairs and Renewals of Instruments	24-C Stationery and Printing	24-D Others	Total for the Month
March.....	\$ 1,513.48	\$.....	\$ 47.69	\$ 65.92	\$ 1,627.09
April.....	1,728.33	.....	40.76	106.53	1,875.62
May.....	1,728.33	.....	78.47	127.30	1,934.10
June.....	1,675.83	.....	36.63	117.42	1,829.88
July.....	1,843.78	.....	296.70	84.02	2,224.50
August.....	2,156.48	.....	.....	93.60	2,250.08
September.....	2,417.98	1.25	27.35	44.59	2,491.17
October.....	2,638.33	.....	18.00	234.29	2,890.62
November.....	2,883.33	.....	230.31	350.96	3,464.60
December.....	3,015.84	.....	447.72	144.40	3,607.96
January.....	2,208.33	.....	553.15	173.87	2,935.35
February.....	2,347.83	.....	86.65	10.09	2,444.57
Total.....	\$26,157.87	\$ 1.25	\$1,863.43	\$1,552.99	\$29,575.54
Total expenses for the year ending February 28, 1913.....					\$29,575.54
Total expenses for the year ending February 29, 1912.....					19,605.91
Total increase for year ending 1913 over 1912.....					\$ 9,969.63
Appropriation for the year ending February 28, 1913.....					\$20,000.00
Expense for the year ending February 28, 1913.....					29,575.54
Amount expended over the appropriation.....					\$ 9,575.54

ANNUAL REPORT

OF

W. H. SMITH,

SEWER AND PLUMBING INSPECTOR,

For the Year Ending February 28, 1913.

REPORT OF SEWER AND PLUMBING INSPECTOR.

HOUSTON, TEXAS, March 1, 1913.

To THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—I respectfully submit the following report of the Engineering Department of Plumbing and Sewer, for the year ending February 28, 1913. The tabulated statements attached will show the large amount of business done by this office, also with some comparisons with this year and the year ending February 29, 1908, a period of five years ago, that ought to convey some idea of the rapid growth of the city. There was an increase of over 210%. There ought to be final inspections of all plumbing, as required by the Plumbing ordinance. This would incur some additional expense in order to do justice to this addition and to the duties of the two inspectors now employed, as there are already numerous demands on their time not only in making inspections but in advising with plumbers where the ordinance is not generally understood, and many visits have to be made to the different premises and jobs to help over difficulties that are not provided for in the ordinance, in addition to investigating complaints which are numerous during the course of a year. All these extra calls are not listed in the 2,645 inspections. See tabulated report.

There were several repairs made to the sewers during the year, in fact, there were more repairs made this year than any year previous; building and raising new manholes on old lines where necessary, all of which tend to better the system and make it more efficient. The city should buy a sewer cleaning machine, as several of our sewers need attention in the way of keeping them clear of all kinds of flowing water, our South End system in particular, as we have to pump this to another level; there is a tendency for sand to lay in

the bottom of the sewer and reduce its capacity. The only way these sewers can be cleaned is by removing the stoppages by some means better than we have, hence the necessity of a sewer cleaning machine.

Respectfully submitted,
W. H. SMITH,
City Plumbing and Sewer Inspector.

HOUSTON, TEXAS, February 28, 1913.

To HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—We have the honor to transmit herewith the report of the Examining Board of Plumbers, covering the work done under our charge for the fiscal year ending February 28, 1913.

Fifty-four applicants for the Journeyman and seven applicants for the Master Plumber's examinations were examined. Of the fifty-four journeymen five were examined twice, and three three times. Five affiliated from other cities, making a total of sixty-six examinations held by the Board for the year. Twenty-seven Master Plumbers' Certificates and one hundred and ninety-three Journeymen Certificates have been issued by the Board up to date.

During the year several cities have inquired about our method of examination and also of our City Plumbing Ordinance. This office has in every case sent the desired information.

At the beginning of the year, the Mayor provided the Board with a room and tools to carry out our work along practical and theoretical lines. We have been handicapped in the issuing of licenses for the fact that that section in the ordinance which demands a bond of one thousand dollars (\$1,000.00) for Journeymen Plumbers is now before the Court of Civil Appeals awaiting a decision from that body. We have made several arrests for violations of the State Plumbing Law. Up to the present time, the courts

and lawyers have taken opposite opinions as to its intent and meaning. Mr. Niday, our City Attorney, has given valuable service and advice in regard to these matters and we desire to thank him for his efforts in our behalf. If there is anything wrong with our City Ordinance or the State Law, it should be corrected, with the end in view to make both the Examining Board and the Plumbing Inspection more effective for the protection of public health. This is especially necessary at this day and time where there is so much speculation in improved real estate by some building companies and individuals, who are willing to have their plumbing installed in a poor manner regardless of whether it would cause the buyer trouble later on. This justifies the desire to have laws that can be enforced. The Examining Board has done good work and has been the means of offering a check on people who would enter the plumbing business without the knowledge that it demands, especially when the city is growing at a rapid rate.

Respectfully submitted,

JNO. HEFFERNAN,

Secretary for the Board.

**Plumbing Fixtures Installed During the Twelve Months Ending
February 28, 1913.**

SEWER SYSTEM.**Statement of Expense for Twelve Months Ending February 28, 1913.**

1912 and 1913	SANITARY SEWER SYSTEM				(f) Sewer Repairs and Renewals	(g) Sewer Inspections	(h) Others
	(a) Operation	(b) Repairs and Renewals	(c) Filter Beds	(e) Others			
March..	\$ 2244.19	\$ 330.21	\$ 586.94	\$ 83.50	\$ 605.95	\$ 285.00	\$ 148.15
April...	1127.23	502.22	855.74	76.50	486.85	285.00	82.40
May....	1361.72	366.76	688.45	.75	1519.18	285.00	123.94
June....	1119.96	425.24	734.82	85.25	260.75	300.00	59.72
July....	1117.08	466.56	729.71	18.00	508.45	300.00	146.70
August.	971.50	452.66	358.89	.....	293.65	300.00	55.07
Sept....	1486.36	392.21	863.27	19.90	454.40	300.00	71.83
October	872.95	448.71	1956.59	1.50	520.35	300.00	96.31
Nov....	1697.41	397.61	1330.96	.....	506.65	300.00	270.44
Dec....	1281.02	407.00	4660.38	8.40	498.70	300.00	85.96
Jan....	1615.01	569.27	4075.59	26.77	1098.72	300.00	112.30
Feb....	895.31	268.36	673.95	1.00	338.25	300.00	12.31
Totals..	\$15789.74	\$5026.81	\$17515.29	\$321.57	\$7091.90	\$3555.00	\$1240.51

Total expense for Sewer Department, year ending Feb. 28, 1913.. \$50,540.82
 To "Credit" Account transferred from General Fund to Bond
 Fund—Remodeling (c) Filter Beds..... 13,266.84

Total..... \$37,273.98

Total expense for Sewer Department, year ending Feb. 29, 1912.. 32,343.41

Increase of last year over previous year..... \$ 4,930.57

Extraordinary Sewer Repairs.

Total expense for Sewer Department, year ending Feb. 28, 1913.. \$1,500.00
 Total expense for Sewer Department, year ending Feb. 29, 1912.. 532.80

Increase of last year over previous year..... \$967.20

FEES COLLECTED.

Plumbing Permits—24-C—Plumbing inspection fees..... \$3,782.35
 Sewer connections—24-D—Drain and street opening fees..... 1,098.00

Total..... \$4,880.35

Total amount of fees collected for the year ending Feb. 28, 1913.. \$4,880.35
 Total amount of fees collected for the year ending Feb. 29, 1912.. 3,779.25

Total increase year ending 1913, over 1912..... \$1,101.10

The Following Private Sewers Were Constructed During the Twelve Months Ending February 28, 1913.

No. of Feet	Size of Sewer	Location	
880	8-inch	Private sewer system in Lincoln Place, Lincoln Add'n.	
Total number of feet of private sewer laid, year ending February 28, 1913.....			880
Total number of feet of private sewer laid, year ending February 29, 1912.....			31,387
Decrease last 12 months over previous 12 months.....			30,507 Feet
Total number of feet of public sewer laid, year ending February 28, 1913.....			5,261.5
Length of sewers laid during the 12 months ending February 28, 1913.....			1.17 Miles

The Following Sewers Were Constructed by the City for the Year Ending February 28, 1913.

No. of Feet	Size of Sewer	Location
230	8-inch	On Lyle, east on Lyle, from Gable.
332	8 "	On Gable to Lyle.
215	8 "	On Cochran, between Noble and Lee.
280	8 "	On McKee, between Providence and Conti.
1,995	8 "	On Helena, from Drew to Cook.
660	10 "	On Wood Street, from Viaduct to Willow.
884.5	10 "	On Willow Street, from Wood to Baker.
330	8 "	On St. Emanuel, between Webster and Gray Aves.
335	15 "	On Texas, from Chronicle Bldg. to New Rice Hotel.

SEWER SYSTEM.

Tabulated Statement Showing Comparison Between Year Ending February 28, 1913, and February 29, 1908.

SUBJECT	Year Ending Feb. 28, 1913	Year Ending Feb. 29, 1908	Increase Over 1908	Per Cent Gain Over Year Ending Feb. 29, 1908
Plumbing permits.....	1156	594	562	94
Drain laying permits.....	758	170	688	400
Sewer and plumbing inspections.....	2645	1182	1463	124
Plumbing fixtures installed.....	8425	2563	5862	227
Total increase of business.....	....	....	....	211
Fees received (revenue).....	4817.75	1481.10	3336.65	224

For the year ending February 29, 1908, there were 49.22 miles of sewer in operation. There has been added 21.5 miles in the past five years, making a total of 70.72 miles now in operation, or a gain of 44%.

There are now in course of construction 20.35 miles, which will by the end of the present year give Houston a grand total of 91.07 miles of sanitary sewers.

NOTE—This report does not include Storm Sewers.

ANNUAL REPORT

OF

W. X. NORRIS,

BUILDING INSPECTOR,

For the Year Ending February 28, 1913.

REPORT OF BUILDING INSPECTOR.

HOUSTON, TEXAS, March 1, 1913.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—I hereto attach tabulated statement, showing value of building, repairs, etc., constructed during the past year, and fees collected by this Department.

Expenses of the Department are shown in the report of the City Engineer. I would recommend that the electric sign and flue ordinance be revised, that all electric signs be hung vertical or up against the building.

Respectfully submitted,

W. X. NORRIS,
City Building Inspector.

Number of Building Permits and Amount of Fees for the Twelve Months Ending February 29, 1912, and February 28, 1913.

	1911-1912		1912-1913	
	Permits	Fees	Permits	Fees
March	105	\$ 483.50	85	.....
April	63	207.50	90	.....
May	85	172.00	83	.....
June	75	188.00	67	.....
July	91	220.00	79	.....
August	73	253.50	84	.....
September	91	229.50	52	.....
October	68	275.00	64	.....
November	67	173.00	78	.....
December	37	137.00	52	.....
January	73	353.00	82	.....
February	98	287.00	107	.....
Totals	926	\$2,979.00	923	.....
Total for the year ending February 29, 1912.....	926			\$2,979.00
Total for the year ending February 28, 1913.....	923			.....
Decrease last 12 months from previous 12 months..	3			\$2,979.00

NOTE—No revenue reported for year ending 1913, account an Ordinance passed by the Council, eliminating the charging for Building Permits.

Permit Valuation of Additions and Repairs During the Twelve Months Ending February 29, 1912, and February 28, 1913.

	1911-1912		1912-1913	
	Permits	Valuation	Permits	Valuation
March	83	\$ 20,628.00	174	\$ 25,555.00
April	80	16,730.00	206	27,195.00
May	115	29,667.00	223	60,780.00
June	86	18,315.00	148	36,445.00
July	94	18,800.00	167	41,950.00
August	98	22,562.00	178	38,525.00
September	109	27,207.00	133	26,505.00
October	99	28,959.00	172	49,905.00
November	75	12,723.00	155	37,835.00
December	49	9,397.00	162	33,295.00
January	98	37,420.00	140	33,930.00
February	126	38,967.00	124	27,585.00
Totals	1112	\$281,375.00	1982	\$339,605.00
Total for the year ending February 28, 1913.....	1982			\$339,605.00
Total for the year ending February 29, 1912.....	1112			281,375.00
Increase last 12 months over previous 12 months	870			\$ 58,230.00

Classification of Permanent Improvements.

No. of Permits	Kind of Building	No. of Buildings	Valuation
1	10-story fireproof building.....	1	\$ 150,000.00
1	6-story fireproof hotel.....	1	65,000.00
1	4-story brick warehouse.....	1	50,000.00
2	4-story fireproof buildings.....	2	104,000.00
1	4-story mill construction building.....	1	39,000.00
1	4-story fireproof theatre and office building	1	40,000.00
1	3-story fireproof building.....	1	46,500.00
1	3-story fireproof warehouse.....	1	16,700.00
2	3-story fireproof schools.....	2	162,355.00
1	3-story fireproof factory.....	1	50,000.00
1	3-story fireproof warehouse (foundation) ..	1	7,800.00
1	3-story brick warehouse.....	1	9,000.00
1	3-story brick club building.....	1	85,000.00
1	3-story brick office building.....	1	50,000.00
1	3-story brick school.....	1	87,875.00
3	3-story brick buildings.....	3	75,545.00
5	3-story brick flats.....	5	140,000.00
4	3-story brick stores and flats.....	4	136,000.00
3	2-story brick flats.....	3	25,000.00
7	2-story brick buildings.....	7	41,240.00
1	2-story brick library (colored)	1	15,000.00
1	2-story brick rice mill.....	1	6,000.00
1	2-story brick fire station.....	1	8,000.00
1	2-story brick hotel.....	1	24,000.00
1	2-story brick bakery.....	1	5,800.00
1	2-story brick laundry.....	1	15,000.00
1	2-story brick parochial school.....	1	17,000.00
1	2-story brick school.....	1	61,510.00
1	2-story brick store and hotel.....	1	8,000.00
1	2-story brick store and apartment.....	1	35,000.00
1	2-story fireproof cold storage warehouse...	1	20,000.00
1	2-story fireproof school.....	1	54,760.00
2	2-story concrete warehouses.....	2	226,000.00
1	2-story brick store and flat.....	1	3,850.00
1	2-story brick and frame hotel.....	1	14,000.00
1	2-story concrete and stucco residence.....	1	10,000.00
3	2-story concrete residences.....	3	15,500.00
2	2-story stucco residences.....	2	12,500.00
1	2-story cement block residence.....	1	1,500.00
5	2-story brick veneer residences.....	5	34,000.00
1	2-story brick veneer store and residence...	1	420.00
1	2-story iron-clad warehouse.....	1	4,000.00
1	2-story iron-clad cold storage building....	1	1,100.00

Classification of Permanent Improvements—Continued.

No. of Permits	Kind of Building	No. of Buildings	Valuation
2	2-story iron-clad buildings.....	2	2,000.00
14	2-story frame flats.....	15	72,300.00
1	2-story frame school and church.....	1	5,000.00
6	2-story frame stores.....	6	10,800.00
7	2-story frame stores and residences.....	7	11,650.00
1	2-story frame watchman's tower.....	1	960.00
196	2-story frame residences.....	207	643,575.00
1	1-story brick warehouse.....	1	3,800.00
2	1-story brick buildings.....	2	15,500.00
2	1-story brick open-air theatres.....	2	7,000.00
1	1-story brick greenhouse.....	1	450.00
1	1-story brick church.....	1	1,600.00
1	1-story brick cottage.....	1	2,000.00
1	1-story brick sub-power station.....	1	9,000.00
1	1-story brick warehouse and oil tank.....	1	8,000.00
1	1-story brick business building.....	1	8,000.00
1	1-story brick and stucco cottage.....	1	4,500.00
1	1-story stucco cottage.....	1	1,500.00
1	1-story brick veneer cottage.....	1	2,000.00
1	1-story stucco greenhouse.....	1	2,000.00
1	1-story concrete cottage.....	1	2,000.00
1	1-story concrete garage.....	1	4,000.00
1	1-story concrete office.....	1	500.00
1	1-story concrete storage tank.....	1	6,000.00
1	1-story concrete water standpipe.....	1	8,000.00
1	1-story concrete powerhouse.....	1	11,300.00
1	1-story concrete machine and erecting shop	1	60,000.00
2	1-story iron-clad buildings.....	2	72,500.00
3	1-story iron-clad shops.....	3	2,200.00
1	1-story iron-clad store.....	1	700.00
8	1-story iron-clad warehouses.....	9	8,600.00
1	1-story iron-clad factory and garage.....	1	6,000.00
2	1-story iron-clad garages.....	2	165.00
1	1-story iron-clad outhouse.....	1	100.00
1	1-story iron-clad shed.....	1	1,850.00
3	1-story frame cottages and stores.....	3	3,525.00
11	1-story frame stores.....	11	6,400.00
5	1-story frame warehouses.....	5	6,065.00
1	1-story frame factory and office.....	1	200.00
1	1-story frame cotton platform.....	1	7,950.00
1	1-story frame band stand.....	1	450.00
1	1-story frame office and stable.....	1	500.00
1	1-story frame street car booth.....	1	170.00

Classification of Permanent Improvements—Continued.

No. of Permits	Kind of Building	No. of Buildings	Valuation
9	1-story frame churches.....	9	19,900.00
10	1-story frame barns.....	10	7,365.00
1	1-story frame dance hall.....	1	1,000.00
1	1-story frame greenhouse.....	1	100.00
2	1-story frame lumber sheds.....	2	1,000.00
1	1-story frame shop.....	1	500.00
2	1-story frame grocery and markets.....	2	350.00
505	1-story frame cottages.....	769	561,667.00
1	Gas holders	2	170,000.00
2	Annexes to colored schools.....	2	11,035.00
1	Extension to baggage room.....	1	4,500.00
6	Remodelings	6	67,650.00
1	Remodeling and addition.....	1	200,000.00
7	Additions	7	91,475.00
12	Additions and repairs.....	12	12,960.00
923		1201	\$4,154,267.00
Valuation of 923 permits, year ending February 28, 1913...\$4,154,267.00			
Valuation of 926 permits, year ending February 29, 1912... 3,997,010.00			
Increase in value, year ending February 28, 1913.....\$ 157,257.00			
Valuation of temporary permits, year ending Feb. 28, 1913..\$ 339,605.00			
Valuation of temporary permits, year ending Feb. 29, 1912.. 281,375.00			
Increase in value, year ending February 28, 1913.....\$ 58,230.00			
Total value, permanent and temporary, year ending 1913...\$4,493,872.00			
Total value, permanent and temporary, year ending 1912... 4,278,385.00			
Increase in last 12 months over previous 12 months....\$ 215,487.00			

NOTE—In some instances two or more houses were taken out on one permit.

ANNUAL REPORT

OF

JAS. E. NIDAY,

CITY ATTORNEY,

For the Year Ending February 28, 1913.

REPORT OF CITY ATTORNEY.

HOUSTON, TEXAS, March 14th, 1913.

HON. H. B. RICE,

Mayor of the City of Houston.

DEAR SIR:—I have the honor to submit herewith the annual report for the Legal Department for the fiscal year ending the 28th day of February, 1913.

This Department has been thoroughly organized under three distinct heads; the General Department, in charge of the City Attorney, taking care of the regular routine duties of the office; a Tax Department, in charge of Mr. T. L. Dunn, handling all tax matters, and a Prosecuting Department, in charge of Mr. D. E. Hume, handling the work in the Corporation Court.

General Department.

It is unnecessary to say to you or to anyone familiar with the work of this Department that it has been exceedingly heavy throughout the year. For the benefit of those citizens not familiar with the work, attention is called to a few items illustrative of the great volume of business handled by it.

Abstracts—During the year fifty (50) abstracts of title have been examined and written opinions rendered on each, making an average of about one abstract per week. The value of land purchased under said opinions amounting to almost a million dollars.

Contracts—Some sixty (60) contracts for the construction of school buildings, bridges, streets and sewers, both storm and sanitary, aggregating in amount more than two million dollars, have been prepared by this Department.

Ordinances—Fifty ordinances have been prepared for passage by the City Council.

Suits—Three cases on appeal have been tried before the Court of Civil Appeals at El Paso, two of which were won

and one lost. A writ of error was asked from the Supreme Court for the case lost, but was dismissed for want of jurisdiction, the amount involved not being sufficient to enable us to secure an opinion from the Supreme Court. Several cases have been tried before the District and County Courts, most of which have been won, and some of which are now on appeal. No judgment of any magnitude has been recovered against the city. We have settled one five thousand dollar (\$5,000.00) damage suit for three hundred dollars (\$300.00) and have recommended the payment of small damages in a few minor cases, where suit was not filed. All pending suits have been prepared for trial.

Paving Petitions—The work of handling seventy-six (76) petitions for street paving under the front foot paving plan has fallen largely to this Department, and has required a great amount of technical detail work, demanding constant attention.

Bond Issue—This Department handled also the details of a two and one-half million dollar bond issue in such manner that the city realized the money therefrom within about three (3) months of the date of the election authorizing the issuance of said bonds. This item alone, if it had been handled by an outside bond attorney, would have cost the city the amount of the salary paid the City Attorney.

This partial statement is only illustrative of the great volume of work done by this Department, and does not include a vast amount of detail work, such as the preparation of opinions upon law questions arising in the conduct of the various departments of the city government, hearings on matters of street paving, advice on petitions filed with the City Council, etc.

Tax Department.

In the matter of the collection of delinquent taxes, the work has been thoroughly systematized and vigorously prosecuted. Some forty thousand dollars (\$40,000.00) of delinquent taxes have been collected by this Department during the year. The five (5) per cent attorney's fees allowed

by the Charter for making said collections amount to two thousand dollars (\$2,000.00), and the savings we have effected in the matter of court costs alone is a very considerable item. Every opportunity has been afforded citizens to pay their taxes before filing suits, thus saving them the payment of court costs. To this end we have mailed out personal notices to each delinquent taxpayer, and as a result collected many thousands of dollars without filing suit. Mr. T. L. Dunn has had charge of this Department, and has handled same in a most satisfactory manner. In addition to his duties in the matter of taxes, Mr. Dunn has rendered valuable assistance in the management of the office, and I hereby recommend that he be granted an increase in salary.

Prosecutions in the Corporation Court.

Prosecutions in the Corporation Court have been carried on by Mr. D. E. Hume with clocklike regularity. Cases have been tried wherever the city had strong evidence, either circumstantial or otherwise. Practically no cases have been dismissed by the prosecuting attorney. Frequently, when the evidence was weak, cases were submitted to the judge without comment, and the matter left to the discretion of the court. Demands for juries have been unusual. Those ordinances commonly known as the "Traffic Ordinances" have been tested by actual trial on several occasions, and, where the evidence warranted it, juries have upheld them. The same is true of the ordinances preventing lewd women from becoming nuisances on the streets. Many prosecutions of vendors of impure milk have been sustained, and have resulted in pleas of guilty in late cases.

Much has been accomplished along these lines, yet it is apparent to all thoughtful City Attorneys that our corporation courts throughout the State are greatly handicapped in their work because of their restricted jurisdiction. I urgently recommend that the Legislature be memorialized to pass a new Corporation Court act, giving to said court jurisdiction co-extensive with County Courts in misdemeanor

cases, and providing an appeal direct to the Court of Criminal Appeals. Such a bill has been prepared by the City Attorneys' Association of Texas, and will, if enacted into law, greatly strengthen and dignify our Corporation Court. During the fiscal year just closed, there were assessed and collected in said court, fines and costs aggregating in amount \$23,430, all of which under the City Charter is paid to the Treasurer and goes into the general revenues of the city.

The expenses of the Legal Department for salaries of the City Attorney (\$4,000), two assistants (\$2,550), and one stenographer (\$960), amount to the sum of seven thousand five hundred and ten dollars (\$7,510.00). The earnings of said Department in the way of fees in the Corporation Court and in tax cases amount to more than fourteen thousand dollars (\$14,000.00), which went into the city's treasury. It will be seen, therefore, that this Department costs the city considerably less than nothing. In truth, it is a revenue producer to the extent of more than six thousand dollars annually. When one considers the amount of fines collected, the amount of tax collected that would not be collected but for the Legal Department, and the great saving to the city in the matter of damage suits, and in the matter of handling its various departments, he must realize that there is no foundation in fact for the criticism of said Department in the matter of expense. We doubt if there is another one-million-dollar corporation in the world that can make a better showing.

At the beginning of the Commission Form of Government in 1905 the Legal Department had no law library; today it has a very good working library consisting of six hundred and twenty-seven (627) volumes. I append hereto a list of the books in the City Attorney's library, marked "Exhibit A," and made a part of this report. I am filing herewith also an inventory of office furniture, tax dockets, tax reports, etc., marked "Exhibit B," and made a part hereof.

At the close of a period of more than seven years of public service in this Department, it is indeed gratifying to be able to say that at all times the work, while heavy, has been de-

cidedly pleasant. We have always received at your hands, and at the hands of the various Commissioners associated with you, most distinguished consideration. Almost daily during said period, we have rendered you opinions on a great variety of matters. Never once has any opinion, or advice been overridden or disregarded. Our efforts have always been encouraged and facilitated by you, and much of the success of this Department during said period has been due to your helpful consideration. I count it the greatest honor of my life to have had some part in the administration of the affairs of our fair city during seven of the greatest years in her history. To you more than to any other man belongs the honor of the splendid achievements of those years.

The Commission Form of Government has meant much to the City of Houston, and I speak but the literal truth when I say that you, through it, have made her known and respected throughout the world. And when the mists of misrepresentation are dissolved in the fierce sunlight of truth, your great work will stand out in its true perspective, and will be appreciated by a grateful and happy people.

On behalf of each member of the Legal Department, I beg to extend our sincere thanks for the uniform courtesy and consideration shown this Department.

Respectfully submitted,

JAMES E. NIDAY,

City Attorney.

ANNUAL REPORT

OF

DR. GEO. W. LARENDON,
HEALTH OFFICER,

For the Year Ending February 28, 1913.

REPORT OF HEALTH OFFICER.

HOUSTON, TEXAS, March 10, 1913.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—In compliance with the duties involving upon me, I have the honor to submit herewith the annual report of the City Health Department for the fiscal year ending February 28, 1913.

It gives me pleasure to inform you that the general health conditions of the city are good, and that Houston, though at one time considered very unhealthy, is now recognized as one of the healthiest cities in the entire South and compares favorably with the average American city.

If we for one moment look back a few years and compare the unhealthy situation then existing with the present healthful condition, we realize at once that progress of an encouraging character has been made and that much has been accomplished.

A great deal of this has been due to our present good water supply and our splendid sewerage system; however, the greatest factor has been the high standard of sanitation obtained by the arduous endeavor on the part of this Department.

We have conscientiously striven to secure for Houston the best possible health conditions, and we feel gratified that the results of our efforts to promote the public welfare are so observable.

The sanitary experience acquired in past years has enabled us to promptly have nuisances and other unsanitary conditions removed and remedied; and wherever a nuisance or unsanitary condition was found to exist in the city a speedy abatement of same was secured. That there is still room for advancement in the sanitary condition is nevertheless an axiomatical truth; and when all the citizens will

more fully understand that "an ounce of prevention is worth a pound of cure," we will be materially assisted in bringing our present high standard of sanitation to a still greater degree of perfection.

With the extension of the water supply and the installation of the proposed additional sewerage system, still better health conditions will be secured; and upon the completion of these prime necessities this Department can still further ameliorate a large proportion of the existing conditions of infectious and contagious diseases, incident to city life.

The proper collection and disposal of garbage is a serious problem which confronts us now, and as Houston has altogether outgrown its present system of both collecting and disposing of garbage, I have the following recommendations to make:

"Garbage is the most objectionable of all the city wastes and must be collected and disposed of in a strictly sanitary manner to preserve the public health of the community. The collection of same should be carried out systematically in wagons of approved type, having water-tight bodies with covers so arranged that the contents of the wagon will be exposed only partially and then only while garbage is being placed therein. The disposal should be carried out in a sanitary and the least objectionable manner, and this, I believe, can most satisfactorily be done by installing a scientific system of reduction."

The public health is also constantly endangered because of the uncovered cans and boxes used for garbage. This condition should be immediately remedied by prescribing a most sanitary can and reasonable regulations should be enforced upon the householders to do their share to preserve a healthful condition of the city.

The aim of this Department has especially been for the prevention of disease, and we respectfully call your attention to the effective results obtained in the direction, viz:

In the early part of 1912, epidemic cerebro-spinal meningitis was prevalent in Texas, and Houston was attacked by this dreaded disease. This Department took all steps and

necessary precautions to successfully combat this malady, established rigid quarantine, furnished and administered serum, supplied provisions and fuel where required by the suffering families, thoroughly fumigated all places of infection and put into effect every measure to prevent the spreading of this infectious disease. I am glad to state that our mortality rate was kept at a minimum, and this at a great financial saving to the city. Great advancement has been made in the past year to prevent this disease, and I wish to state that this Department is now prepared to vaccinate against meningitis.

During March of last year it came to our notice that numerous cases of black smallpox (the very worst type of the disease) had broken out in several families of the Fourth Ward. Upon investigation we found that about forty cases of smallpox existed, and within a few days afterwards eleven deaths occurred. Immediate action had to be taken, and we exerted all of our energies to stamp out this disease. Absolute quarantine was immediately established, and this Department took active charge of the situation. The weather was bad, but at first opportunity all the patients suffering with the disease were removed to the city pest camp and all the exposures to the detention camp, and the places of infection were thoroughly fumigated. Those who were exposed were immediately vaccinated and revaccinated, those suffering with the disease were treated and only one death occurred after the transfer to the city pest camp. I am happy to state that although the disease broke out in a densely populated district, we succeeded under adverse conditions to stamp same out within a very short period. Although there is not at present a case of smallpox in the City of Houston, I wish to reiterate with increasing confidence for the benefit of the parents or guardians who neglect to have their children protected from this loathsome, contagious and disfiguring disease, the assured principle that there is absolutely no prevention of smallpox save in vaccination and re-vaccination. The procedure of vaccination is very simple and inexpensive; the most sanitary virus is used, and

the best proof that this work is efficiently done is that this Department successfully vaccinated 1,800 children the past year and no bad results from such vaccinations came to our notice.

Our system to prevent the spreading of other "contagious disease" is well-nigh to perfection; and we wish to thank the medical profession of this city for their promptness in reporting such diseases to this Department. Whenever and wherever a case of "contagious disease" existed this Department has either established an absolute or modified quarantine, as the situation demanded, and members of the family were advised as to necessary precautions and the value of proper disinfection. During the year we had 143 cases of scarlet fever and only one death from same; and of diphtheria we had 44 cases with a mortality of 7. We have furnished diphtheria serum to numerous patients, suffering with the disease, and we wish to emphasize the fact that we have always had on hand an ample supply of the Diphtheria Antitoxin and stand ready to furnish same whenever necessity demands.

By a close scrutiny of the enclosed tabulated mortuary report you will note that during the year there occurred in the City of Houston a total of *one thousand six hundred and nine* deaths from all causes. Of these *nine hundred and seventy-six* were whites and *six hundred and thirty-three* colored. Of the whites 586 were males and 390 were females; of the colored 341 were males and 292 females.

Based on an estimated population of 109,000 this gives us a general annual death rate of 14.76 per 1,000. Estimating the white population at 75% and the colored at 25% we have an annual death rate of 11.93 per 1,000 among the whites and of 23.22 per 1,000 among the colored.

By comparing these statistics with the average death rate of the American cities, we find that we have a general death rate of 14.76 per 1,000 against the average rate of 15. per 1,000; a death rate of 11.93 per 1,000 among the whites against the average rate of 16 (in Southern cities) and a

rate of 23.22 per 1,000 among the colored against the average of 26.2 among the colored in the average Southern city.

You will note that during the year we had a total of 41 deaths from typhoid fever (twenty-one among the whites and twenty among the colored). This is a little in excess of the general average of the American city, our rate being 37.6 per 100,000 against the average of 23.5. This, however, can be explained in that the death rate among the colored from typhoid fever was nearly three times as heavy as among the whites, and further, that several deaths which occurred among the whites were of patients who were brought from elsewhere to some of the local hospitals for treatment and died in this city.

The report shows that 156 deaths from all forms of tuberculosis occurred in the city (79 among the whites and 77 among the colored). The rate among the colored is unusually heavy and brings our average up considerably; but even with this, when we compare these figures with the general average we find that we have a rate of 143.1 per 100,000 against the average of 160.3.

From diarrhoea and enteritis (under two years) there occurred in the City of Houston a total of 87 deaths. This gives us a general rate from this disease of 79.8 per 100,000, which is far less than the average of 100.8.

The average rate from scarlet fever is 11.6 per 100,000, while in the City of Houston we had only one death from this disease the past year.

The general average from diphtheria is 21.4 per 100,000, while the rate from diphtheria and croup combined in the City of Houston last year was only 6.4 per 100,000.

The general average from whooping cough is 11.4 per 100,000, while Houston's rate last year was only 6.4 per 100,000.

Malaria claimed a total of 34 victims, of which 12 were whites and 22 colored. Houston, in itself, has little malaria, and this rate is largely due to the number of patients who came to Houston from elsewhere with their system full of

malaria, and who died here. The rate among the colored, you will observe, was five and one-half times as heavy as among the whites.

During the year we fumigated a total of 1,696 rooms for various causes (a more complete report from the fumigating officer being herewith enclosed).

The laboratory has been a valuable adjunct to this Department in the past year, and I recommend that the facilities of same be increased (a complete report from this division of the Health Department is herewith enclosed). We have secured for Houston a milk supply of high standard, and have caused to be given to the people an ice cream product of good quality.

Reviewing the other work done by this Department, we find that an average daily of four professional calls were made, a daily average of eighteen persons treated in office, a daily average of thirty-four persons looked after in the hospitals and major operations to the extent of seventy-five were performed during the year.

Much pressure was brought the past year to establish a Tubercular Sanitarium, and although the purposes and desires of the petitioners were both worthy and humane, this Department did not favor such an institution, and we deem it wise that your honorable body acted upon our judgment.

Too much praise can not be accorded the Houston Clean-Up Movement for their good work of last summer; however, the citizenship should not lose sight of the fact that their premises should be kept clean and sanitary every day in the year.

Yours for a still cleaner and more healthful Houston,
Respectfully,
GEO. W. LARENDON, M. D.
City Health Officer.

Classified List of Causes of Death for Twelve Months Ending February 28, 1913.

Classified List of Causes of Deaths—Continued.

NAME OF DISEASE	WHITE												COLORED			Grand Total Deaths for Yr	
	March 1912	April 1912	May 1912	June 1912	July 1912	Aug. 1912	Sept. 1912	Oct. 1912	Nov. 1912	Dec. 1912	Jan. 1913	Feb. 1913	Male	Female	Male	Female	
Tuberculosis (Total):																	
28. Tuberculosis of the lungs.....	12	14	13	8	13	11	9	14	10	12	18	16	45	29	37	39	150
29. Acute miliary tuberculosis.....																	
30. Tuberculosis meningitis.....				1					1						1		1
31. Abdominal tuberculosis.....				1					1						2	1	
32. Pott's disease.....				1				1						1			3
33. White swellings.....																	1
34. Tuberculosis of other organs.....							1							1			1
35. Disseminated tuberculosis.....																	
36. Rickets.....																	
37. Syphilis.....																	
38. Gonococcus infection.....																	
Cancer and other malignant tumors (Total):																	
39. †Cancer of the buccal cavity.....																	
40. †Cancer of the stomach, liver.....	4	2	1	2	1		2			2		1	10	3	2		15
41. †Cancer of the peritoneum, intestines, rectum.....																	
42. †Cancer of the female genital organs.....																	
43. †Cancer of the breast.....																	
44. †Cancer of the skin.....																	
45. †Cancer of the other organs and of organs not specified.....																	
46. †Other tumors (tumors of the female genital organs excepted).....	3	1	4	2	2	2	1	2		3	1	4	11	7	2	5	25
47. Acute articular rheumatism.....													1	1	1	1	2
48. Chronic rheumatism and gout.....															1		
49. Scurvy.....																	1

† And other malignant tumors.

Classified List of Causes of Deaths—Continued.

Classified List of Causes of Deaths—Continued.

Classified List of Causes of Deaths—Continued.

Classified List of Causes of Deaths—Continued.

VI—Non-Venereal Diseases of the Genito-Urinary System and Annexa.

Classified List of Causes of Deaths—Continued.

Classified List of Causes of Deaths—Continued.

Classified List of Causes of Deaths—Continued.

NAME OF DISEASE	March 1912			April 1912			May 1912			June 1912			July 1912			Aug. 1912			Sept. 1912			Oct. 1912			Nov. 1912			Dec. 1912			Jan. 1913			Feb. 1913			Mar. 1913			April 1913			May 1913			June 1913			July 1913			Aug. 1913			Sept. 1913			Oct. 1913			Nov. 1913			Dec. 1913			Jan. 1914			Feb. 1914			Mar. 1914			April 1914			May 1914			June 1914			July 1914			Aug. 1914			Sept. 1914			Oct. 1914			Nov. 1914			Dec. 1914			Jan. 1915			Feb. 1915			Mar. 1915			April 1915			May 1915			June 1915			July 1915			Aug. 1915			Sept. 1915			Oct. 1915			Nov. 1915			Dec. 1915			Jan. 1916			Feb. 1916			Mar. 1916			April 1916			May 1916			June 1916			July 1916			Aug. 1916			Sept. 1916			Oct. 1916			Nov. 1916			Dec. 1916			Jan. 1917			Feb. 1917			Mar. 1917			April 1917			May 1917			June 1917			July 1917			Aug. 1917			Sept. 1917			Oct. 1917			Nov. 1917			Dec. 1917			Jan. 1918			Feb. 1918			Mar. 1918			April 1918			May 1918			June 1918			July 1918			Aug. 1918			Sept. 1918			Oct. 1918			Nov. 1918			Dec. 1918			Jan. 1919			Feb. 1919			Mar. 1919			April 1919			May 1919			June 1919			July 1919			Aug. 1919			Sept. 1919			Oct. 1919			Nov. 1919			Dec. 1919			Jan. 1920			Feb. 1920			Mar. 1920			April 1920			May 1920			June 1920			July 1920			Aug. 1920			Sept. 1920			Oct. 1920			Nov. 1920			Dec. 1920			Jan. 1921			Feb. 1921			Mar. 1921			April 1921			May 1921			June 1921			July 1921			Aug. 1921			Sept. 1921			Oct. 1921			Nov. 1921			Dec. 1921			Jan. 1922			Feb. 1922			Mar. 1922			April 1922			May 1922			June 1922			July 1922			Aug. 1922			Sept. 1922			Oct. 1922			Nov. 1922			Dec. 1922			Jan. 1923			Feb. 1923			Mar. 1923			April 1923			May 1923			June 1923			July 1923			Aug. 1923			Sept. 1923			Oct. 1923			Nov. 1923			Dec. 1923			Jan. 1924			Feb. 1924			Mar. 1924			April 1924			May 1924			June 1924			July 1924			Aug. 1924			Sept. 1924			Oct. 1924			Nov. 1924			Dec. 1924			Jan. 1925			Feb. 1925			Mar. 1925			April 1925			May 1925			June 1925			July 1925			Aug. 1925			Sept. 1925			Oct. 1925			Nov. 1925			Dec. 1925			Jan. 1926			Feb. 1926			Mar. 1926			April 1926			May 1926			June 1926			July 1926			Aug. 1926			Sept. 1926			Oct. 1926			Nov. 1926			Dec. 1926			Jan. 1927			Feb. 1927			Mar. 1927			April 1927			May 1927			June 1927			July 1927			Aug. 1927			Sept. 1927			Oct. 1927			Nov. 1927			Dec. 1927			Jan. 1928			Feb. 1928			Mar. 1928			April 1928			May 1928			June 1928			July 1928			Aug. 1928			Sept. 1928			Oct. 1928			Nov. 1928			Dec. 1928			Jan. 1929			Feb. 1929			Mar. 1929			April 1929			May 1929			June 1929			July 1929			Aug. 1929			Sept. 1929			Oct. 1929			Nov. 1929			Dec. 1929			Jan. 1930			Feb. 1930			Mar. 1930			April 1930			May 1930			June 1930			July 1930			Aug. 1930			Sept. 1930			Oct. 1930			Nov. 1930			Dec. 1930			Jan. 1931			Feb. 1931			Mar. 1931			April 1931			May 1931			June 1931			July 1931			Aug. 1931			Sept. 1931			Oct. 1931			Nov. 1931			Dec. 1931			Jan. 1932			Feb. 1932			Mar. 1932			April 1932			May 1932			June 1932			July 1932			Aug. 1932			Sept. 1932			Oct. 1932			Nov. 1932			Dec. 1932			Jan. 1933			Feb. 1933			Mar. 1933			April 1933			May 1933			June 1933			July 1933			Aug. 1933			Sept. 1933			Oct. 1933			Nov. 1933			Dec. 1933			Jan. 1934			Feb. 1934			Mar. 1934			April 1934			May 1934			June 1934			July 1934			Aug. 1934			Sept. 1934			Oct. 1934			Nov. 1934			Dec. 1934			Jan. 1935			Feb. 1935			Mar. 1935			April 1935			May 1935			June 1935			July 1935			Aug. 1935			Sept. 1935			Oct. 1935			Nov. 1935			Dec. 1935			Jan. 1936			Feb. 1936			Mar. 1936			April 1936			May 1936			June 1936			July 1936			Aug. 1936			Sept. 1936			Oct. 1936			Nov. 1936			Dec. 1936			Jan. 1937			Feb. 1937			Mar. 1937			April 1937			May 1937			June 1937			July 1937			Aug. 1937			Sept. 1937			Oct. 1937			Nov. 1937			Dec. 1937			Jan. 1938			Feb. 1938			Mar. 1938			April 1938			May 1938			June 1938			July 1938			Aug. 1938			Sept. 1938			Oct. 1938			Nov. 1938			Dec. 1938			Jan. 1939			Feb. 1939			Mar. 1939			April 1939			May 1939			June 1939			July 1939			Aug. 1939			Sept. 1939			Oct. 1939			Nov. 1939			Dec. 1939			Jan. 1940			Feb. 1940			Mar. 1940			April 1940			May 1940			June 1940			July 1940			Aug. 1940			Sept. 1940			Oct. 1940			Nov. 1940			Dec. 1940			Jan. 1941			Feb. 1941			Mar. 1941			April 1941			May 1941			June 1941			July 1941			Aug. 1941			Sept. 1941			Oct. 1941			Nov. 1941			Dec. 1941			Jan. 1942			Feb. 1942			Mar. 1942			April 1942			May 1942			June 1942			July 1942			Aug. 1942			Sept. 1942			Oct. 1942			Nov. 1942			Dec. 1942			Jan. 1943			Feb. 1943			Mar. 1943			April 1943			May 1943			June 1943			July 1943			Aug. 1943			Sept. 1943			Oct. 1943			Nov. 1943			Dec. 1943			Jan. 1944			Feb. 1944			Mar. 1944			April 1944			May 1944			June 1944			July 1944			Aug. 1944			Sept. 1944			Oct. 1944			Nov. 1944			Dec. 1944			Jan. 1945			Feb. 1945			Mar. 1945			April 1945			May 1945			June 1945			July 1945			Aug. 1945			Sept. 1945			Oct. 1945			Nov. 1945			Dec. 1945			Jan. 1946			Feb. 1946			Mar. 1946			April 1946			May 1946			June 1946			July 1946			Aug. 1946			Sept. 1946			Oct. 1946			Nov. 1946			Dec. 1946			Jan. 1947			Feb. 1947			Mar. 1947			April 1947			May 1947			June 1947			July 1947			Aug. 1947			Sept. 1947			Oct. 1947			Nov. 1947			Dec. 1947			Jan. 1948			Feb. 1948			Mar. 1948			April 1948			May 1948			June 1948			July 1948			Aug. 1948			Sept. 1948			Oct. 1948			Nov. 1948			Dec. 1948			Jan. 1949			Feb. 1949			Mar. 1949			April 1949			May 1949			June 1949			July 1949			Aug. 1949			Sept. 1949			Oct. 1949			Nov. 1949			Dec. 1949			Jan. 1950			Feb. 1950			Mar. 1950			April 1950			May 1950			June 1950			July 1950			Aug. 1950			Sept. 1950			Oct. 1950			Nov. 1950			Dec. 1950			Jan. 1951			Feb. 1951			Mar. 1951			April 1951			May 1951			June 1951			July 1951			Aug. 1951			Sept. 1951			Oct. 1951			Nov. 1951			Dec. 1951			Jan. 1952			Feb. 1952			Mar. 1952			April 1952			May 1952			June 1952			July 1952			Aug. 1952			Sept. 1952			Oct. 1952			Nov. 1952			Dec. 1952			Jan. 1953			Feb. 1953			Mar. 1953			April 1953			May 1953			June 1953			July 1953			Aug. 1953			Sept. 1953			Oct. 1953			Nov. 1953			Dec. 1953			Jan. 1954			Feb. 1954			Mar. 1954			April 1954			May 1954			June 1954			July 1954			Aug. 1954			Sept. 1954			Oct. 1954			Nov. 1954			Dec. 1954			Jan. 1955			Feb. 1955			Mar. 1955			April 1955			May 1955			June 1955			July 1955			Aug. 1955			Sept. 1955			Oct. 1955			Nov. 1955			Dec. 1955			Jan. 1956			Feb. 1956			Mar. 1956			April 1956			May 1956			June 1956			July 1956			Aug. 1956			Sept. 1956			Oct. 1956			Nov. 1956			Dec. 1956			Jan. 1957			Feb. 1957			Mar. 1957			April 1957			May 1957			June 1957			July 1957			Aug. 1957			Sept. 1957			Oct. 1957			Nov. 1957			Dec. 1957			Jan. 1958			Feb. 1958			Mar. 1958			April 1958			May 1958			June 1958			July 1958			Aug. 1958			Sept. 1958			Oct. 1958			Nov. 1958			Dec. 1958			Jan. 1959			Feb. 1959			Mar. 1959			April 1959			May 1959			June 1959			July 1959			Aug. 1959			Sept. 1959			Oct. 1959			Nov. 1959			Dec. 1959			Jan. 1960			Feb. 1960			Mar. 1960			April 1960			May 1960			June 1960			July 1960			Aug. 1960			Sept. 1960			Oct. 1960			Nov. 1960			Dec. 1960			Jan. 1961			Feb. 1961			Mar. 1961			April 1961			May 1961			June 1961			July 1961			Aug. 1961			Sept. 1961			Oct. 1961			Nov. 1961			Dec. 1961			Jan. 1962			Feb. 1962			Mar. 1962			April 1962			May 1962			June 1962			July 1962			Aug. 1962			Sept. 1962			Oct. 1962			Nov. 1962			Dec. 1962			Jan. 1963			Feb. 1963			Mar. 1963			April 1963			May 1963			June 1963			July 1963			Aug. 1963			Sept. 1963			Oct. 1963			Nov. 1963			Dec. 1963			Jan. 1964			Feb. 1964			Mar. 1964			April 1964			May 1964			June 1964			July 1964			Aug. 1964			Sept. 1964			Oct. 1964			Nov. 1964			Dec. 1964			Jan. 1965			Feb. 1965			Mar. 1965			April 1965			May 1965			June 1965			July 1965			Aug. 1965			Sept. 1965			Oct. 1965			Nov. 1965			Dec. 1965			Jan. 1966			Feb. 1966			Mar. 1966			April 1966			May 1966			June 1966			July 1966			Aug. 1966			Sept. 1966			Oct. 1966			Nov. 1966			Dec. 1966			Jan. 1967			Feb. 1967			Mar. 1967			April 1967			May 1967			June 1967			July 1967			Aug. 1967			Sept. 1967			Oct. 1967			Nov. 1967			Dec. 1967			Jan. 1968			Feb. 1968			Mar. 1968			April 1968			May 1968			June 1968			July 1968			Aug. 1968			Sept. 1968			Oct. 1968			Nov. 1968			Dec. 1968			Jan. 1969			Feb. 1969			Mar. 1969			April 1969			May 1969			June 1969			July 1969			Aug. 1969			Sept. 1969			Oct. 1969			Nov. 1969			Dec. 1969			Jan. 1970			Feb. 1970			Mar. 1970			April 1970			May 1970			June 1970			July 1970			Aug. 1970			Sept. 1970			Oct. 1970			Nov. 1970			Dec. 1970			Jan. 1971			Feb. 1971			Mar. 1971			April 1971			May 1971			June 1971			July 1971			Aug. 1971			Sept. 1971			Oct. 1971			Nov. 1971			Dec. 1971			Jan. 1972			Feb. 1972			Mar. 1972			April 1972			May 1972			June 1972			July 1972			Aug. 1972			Sept. 1972			Oct. 1972			Nov. 1972			Dec. 1972			Jan. 1973			Feb. 1973			Mar. 1973			April 1973			May 1973			June 1973			July 1973			Aug. 1973			Sept. 1973			Oct. 1973			Nov. 1973			Dec. 1973			Jan. 1974			Feb. 1974			Mar. 1974			April 1974			May 1974			June 1974			July 1974			Aug. 1974			Sept. 1974			Oct. 1974			Nov. 1974			Dec. 1974			Jan. 1975			Feb. 1975			Mar. 1975			April 1975			May 1975			June 1975			July 1975			Aug. 1975			Sept. 1975			Oct. 1975			Nov. 1975			Dec. 1975			Jan. 1976			Feb. 1976			Mar. 1976			April 1976			May 1976			June 1976			July 1976			Aug. 1976			Sept. 1976			Oct. 1976			Nov. 1976			Dec. 1976			Jan. 1977			Feb. 1977			Mar. 1977			April 1977			May 1977			June 1977			July 1977			Aug. 1977			Sept. 1977			Oct. 1977			Nov. 1977			Dec. 1977			Jan. 1978			Feb. 1978			Mar. 1978			April 1978			May 1978			June 1978			July 1978			Aug. 1978			Sept. 1978			Oct. 1978			Nov. 1978			Dec. 1978			Jan. 1979			Feb. 1979			Mar. 1979			April 1979			May 1979			June 1979			July 1979			Aug. 1979			Sept. 1979			Oct. 1979			Nov. 1979			Dec. 1979			Jan. 1980			Feb. 1980			Mar. 1980			April 1980			May 1980			June 1980			July 1980			Aug. 1980			Sept. 1980			Oct. 1980			Nov. 1980			Dec. 1980			Jan. 1981			Feb. 1981			Mar. 1981			April 1981			May 1981			June 1981			July 1981			Aug. 1981		

Classified List of Causes of Deaths—Continued.

NAME OF DISEASE	WHITE												COLORED			Grand Total Deaths for Yr.	
	March 1912	April 1912	May 1912	June 1912	July 1912	Aug. 1912	Sept. 1912	Oct. 1912	Nov. 1912	Dec. 1912	Jan. 1913	Feb. 1913	Male	Female	Male	Female	
75. Traumatism by other crushing:																	
a. Railroad accidents and injuries	1	1	3	.....	3	1	4	1	1	1	1	14	1	1	1	1	16
b. Street car accidents and injuries				.....	2	1	.....	1	1	2	1	3	1	1	1	1	4
c. Automobile accidents and injuries				1	.....	1	.....	2	.....	2	1	5	1	1	1	1	7
d. Injuries by other vehicles																	
e. Landslide, other crushing																	
Injuries by animals.....																	
Starvation.....																	
Excessive cold.....																	
Effects of heat.....																	
Lightning.....																	
Electricity (lightning excepted)																	
Fractures (cause not specified)																	
Other external violence.....																	
Homicide (total):																	
Homicide by firearms.....																	
Homicide by cutting or piercing instruments.....																	
Homicide by other means.....																	
84. Ill-defined Diseases.....																	
85. Sudden death.....																	
86. Cause of death not specified or ill-defined:																	
a. Ill-defined.....																	
b. Not specified or unknown.....																	
Total deaths.....	173	129	154	119	143	128	104	122	122	131	161	123	586	390	341	292	1669

NATIVITIES, AND AGES AT WHICH DEATH OCCURRED.

Ages.	Total	Nativities.	Total
Under 1 year.....	213	Houston.....	159
1 to 5 years.....	87	Texas.....	628
5 to 10 years.....	40	United States, elsewhere.....	548
10 to 20 years.....	103	Ireland.....	23
20 to 30 years.....	200	England, Scotland, Wales.....	15
30 to 40 years.....	215	Germany.....	57
40 to 50 years.....	187	Sweden.....	1
50 to 60 years.....	180	Mexico.....	39
60 to 70 years.....	210	Finland.....	1
70 to 80 years.....	105	Canada.....	5
80 to 90 years.....	50	Italy.....	2
90 to 100 years.....	16	Russia.....	9
Over 100.....	3	Switzerland.....	2
	1609	Austria.....	7
		France.....	10
		Ocean.....	1
		Europe.....	2
		Not stated.....	99
		West Indies.....	1

SOCIAL RELATIONS.

Married.....	551
Widows.....	172
Widowers.....	94
Single.....	644
Divorced.....	10
Not stated.....	138

BURIAL PLACE.

Hollywood.....	162
Glenwood.....	150
Evergreen.....	77
Magnolia.....	13
German.....	91
Holy Cross.....	126
Old Catholic.....	3
Beth Israel.....	10
Orthodox.....	1
Jewish.....	23
Evergreen (colored).....	103
Olivewood.....	73
College Park.....	241
Poor Farm.....	154
Old City.....	14
Private and other.....	369
Shipped out of city.....	1

DEATHS IN HOSPITALS AND OTHER INSTITUTIONS.
 (Included in Total Deaths.)

St. Joseph's Infirmary.....	200
Houston Infirmary.....	43
Baptist Sanitarium.....	45
Lunn's Sanitarium.....	3
Boyd's Sanitarium.....	
Norsworthy's Sanitarium.....	18
Faith Home.....	7
Infants' Home.....	10
St. Anthony Home.....	
County Jail.....	1
City Jail.....	
Detention Camp.....	7
Southern Pacific Hospital.....	32
Other Institutions.....	9
Died outside city limits.....	283
Bodies shipped here from elsewhere.....	112
Deaths not in above.....	

CONTAGIOUS DISEASES REPORTED BY PHYSICIANS.

	Cases for Year	Deaths for Year
Smallpox.....	48	12
Diphtheria and croup.....	44	‡ 7
Scarlet fever.....	143	1
Measles.....	*	1
Typhoid fever.....	*	41
Tuberculosis (all forms).....	*	‡156
Whooping cough.....	*	7
Chickenpox.....	*	...
Erysipelas.....	*	2
Cerebro-Spinal Meningitis.....	105	43

* Cases not reported.

† Death for 12 months.

DEATHS CERTIFIED BY THE CORONER.
 (Included in Total Deaths.)

For the year.....	159
-------------------	-----

DEATH RATE PER 1,000 PER ANNUM.

For the year.....	14.76
	Year
Death rate amongst whites.....	11.93
Death rate amongst colored.....	23.22

This includes all deaths occurring in the city, without any exception whatever. Deaths from violence and among non-residents or recent arrivals, etc., are not excluded.

STILL AND PREMATURE BIRTHS.

(Not Included in Total Deaths.)

Male, white.....														49
Female, white.....														31
Male, colored.....														33
Female, colored.....														41
Total.....														154

BIRTHS REPORTED FOR THE FISCAL YEAR, 1912.

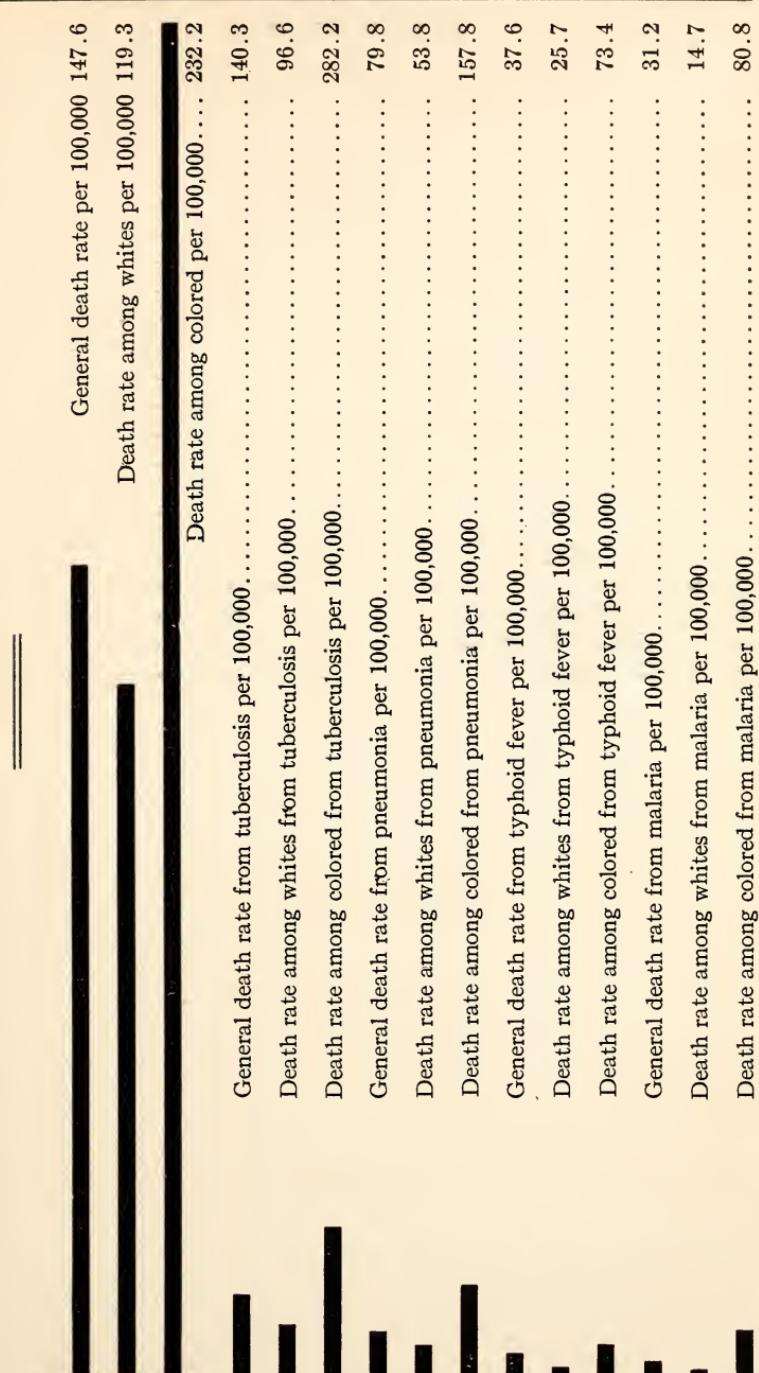
	March	April	May	June	July	August	September	October	November	December	January	February	Total Year
Males, white.....	61	54	59	57	58	74	76	83	86	83	63	60	814
Females, white.....	45	44	59	61	65	84	58	63	64	64	81	58	746
Males, colored.....	13	13	16	12	16	20	23	17	11	14	15	16	186
Females, colored.....	12	9	12	12	20	11	18	11	23	18	27	20	193
Total.....	131	120	146	142	159	189	175	174	184	179	186	154	1939

COMPARATIVE MORTALITY FOR MONTHS OF 1912.

(Still-births Not Included.)

	March	April	May	June	July	August	September	October	November	December	January	February	Total Year
Male, white.....	57	46	56	40	45	47	35	52	53	44	63	48	586
Female, white.....	39	36	37	33	43	37	26	27	24	30	37	21	390
Male, black.....	40	27	35	29	25	23	22	27	24	32	29	28	341
Female, black.....	37	20	26	17	30	21	21	16	21	25	32	26	292
Total, each month....	173	129	154	119	143	128	104	122	122	131	161	123	1609

CHART SHOWING COMPARATIVE DEATH RATE AMONG WHITES AND COLORED IN HOUSTON



ROOMS FUMIGATED.

For	Rooms
Epidemic Cerebro-spinal meningitis.....	526
Tuberculosis	329
Smallpox	207
Scarlet fever	323
Diphtheria	96
Pneumonia	44
Typhoid fever	20
Scabes	1
Measles	9
Cancer	4
Chicken-pox	17
Infantile paralysis	7
Erysipelas	2
Causes not specified.....	111
Total	1,696
Ambulances fumigated	10
Hacks fumigated	2
Hearses fumigated	2
School (Allen) fumigated.....	1
Tunnels disinfected	2

ANNUAL REPORT

OF

DR. F. J. SLATAPER,

*CITY PATHOLOGIST AND
CHEMIST,*

For the Year Ending February 28, 1912.

REPORT OF CITY PATHOLOGIST AND CHEMIST.

HOUSTON, TEXAS, March 13th, 1913.

TO THE HON. H. B. RICE, *Mayor*, and DR. GEO. W. LARENDON,
Health Officer of the City of Houston.

GENTLEMEN:—I beg leave to submit the following report for the fiscal year ending February 28th, 1913:

During the year this Laboratory has been used by most of our physicians. The number of tests herewith reported indicate a part of the value of this Laboratory to the health of this city. Many of our citizens have used this Department by bringing milk, meat and other foodstuffs for examination. We have made many medico-legal tests for Grand Juries, the District Criminal Attorney, and other officers of the law in this city.

There has been a greater improvement in the ice cream than any food product. Each factory was inspected monthly for sanitary requirements before a permit was recommended. Not a case of ptomaine poison was reported. The nutritional value of the ice cream has been increased by requiring more cream to be used. In May the average of butter fat in all ice cream sold in the city was 5.7. The manufacturers were called together and told that "plain ice cream must have not less than 8 per cent butter fat." Since this date the per cent of butter fat has been kept well above this standard.

The milk has been reasonably free from adulterations of "skimming and watering." We have obtained more convictions than acquittals in complaints filed for this adulteration. During the year no sample of milk was found to contain a "preservative." All the dairymen have been given a cloth poster of "Rules and Regulations for Production of Clean Milk" to be tacked in their dairy barns. We recommend that the milk inspector be given a horse and buggy so that

the dairies may be inspected as the ice cream plants have been in the past.

During the epidemic of meningitis I made 701 lumbar punctures and gave 679 doses of anti-meningitis serum. The mortality of these cases was less than 21 per cent. The mortality of the cases here not treated with serum was 80 per cent (including abortive cases). A much lower death rate than Dallas had with the same treatment.

I wish to thank the physicians of Houston for their co-operation, which was largely responsible for my low death rate; and especially, thank Dr. E. H. Lancaster for valuable assistance in making many pathological examinations.

ITEMIZED PATHOLOGICAL REPORT.

	Posi- tive	Nega- tive	Total
Cultures examined for diphtheria.....	19	24	43
Cultures examined for anthrax.....	1	0	1
Specimens of sputum examined for tuberculosis.....	57	83	140
Specimens of blood examined for typhoid fever.....	16	34	50
Blood smears examined for malaria.....	2	62	64
Smears examined for gonorrhoea.....	22	7	29
Spinal fluid examined for polic myelitis.....	2	0	2
Spinal fluid examined for epidemic meningitis.....	315	16	331
Animal brains examined for rabies.....	0	2	2
Feces examined for ova of hook worm.....	5	90	95
Feces examined for amoeba coli.....	1	6	7
Cultures examined epidemic meningitis "carriers".....			357
Gastric analyses.....			5
Specimens of urine examined—chemically.....			234
Specimens of urine examined—microscopically.....			120
Samples of food examined.....			98
Samples of ice cream examined.....			162
Samples of milk collected and examined.....			304
Samples of milk brought to laboratory and examined.....			193
Total samples of milk examined.....			497
Number of drugs examined as evidence in criminal cases.....			9
Number of post mortems held.....			3
Specimens examined for blood in criminal cases.....			3
Number of complaints filed for "adulterated" milk.....			15
Number of complaints filed for "putrid meat".....			2
Number of complaints filed for manufacturing ice cream after being refused a permit on account of unsanitary conditions in plant.....			2

Respectfully submitted,

F. J. SLATAPER, M. D.

City Pathologist and Chemist.

ANNUAL REPORT

OF

J. Z. GASTON,

PUBLIC SERVICE COMMISSIONER,

For the Year Ending February 28, 1913.

REPORT OF PUBLIC SERVICE COMMISSIONER.

HOUSTON, TEXAS, March 1, 1913.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—I respectfully submit the second annual report of the Public Service Commissioner for the City of Houston for the fiscal year ending February 28, 1913:

The success of this Department and the particular sphere it fills has caused a self-enlargement of the duties of the office, and a resume of the year's work develops varied departures and new avenues of benefit to the city as a whole.

It is with pleasure that it is noted that relations with all public service corporations operating in the City of Houston are and have been most amicable and the maintenance of the policy of co-operation instead of compulsion is believed to have produced more immediate results.

Since the publication of the first annual report of this Department the information and data from the Houston Gas and Fuel Company, which came in too late for the former report, is now in the office of this Department and on file as a part of the records of the office. Because of the voluminous character of the data it is withheld from this report, but is open for inspection at this office.

While the ordinance creating the office of Public Service Commissioner requires written complaints, this office has cheerfully taken up personal complaints made either in person or by telephone and adjusted them at once, thereby saving time and gaining immediate service. The complaints are numerous and constant and in nearly every instance the complaining party has been satisfied with the service rendered.

A matter which this Department has concerned itself with particularly is the moving underground of all overhead wires and cables of public utility corporations along

streets that are to be paved. This foresightedness has been the means of saving much new pavement from being torn up after being laid for the tardy removal of overhead wires and cables to underground conduits.

Quite often during the year requests from sister cities in other States and from individuals and associations have been made for technical information. This Department is not prepared to furnish such information or to acquire it for its own use other than from the source inquired about, because of the fact that no technical engineers are employed. While the employment of engineers skilled in the knowledge of gas and electricity would create an additional expenditure it is the judgment of your Commissioner that the services these experts would render would well repay their employment.

Much interest has been manifest in other cities concerning the work of this Department and it has been the pleasure of your Commissioner to mail several of the first annual reports of this Department to these correspondents. The following letter from the Mayor of the City of St. Joseph, Mo., is typical of many received:

CITY OF ST. JOSEPH, MO.

OFFICE OF THE MAYOR.

ST. JOSEPH, Mo., Sept. 26, 1912.

MR. J. Z. GASTON,
Public Service Commissioner,
Houston, Texas.

DEAR SIR:

I have seen your interesting and instructive First Annual Report of the Public Utility Department, and would like to see a copy in the hands of the members of our Utilities Commission. Will you kindly send a copy to them. (Following names of five members of Commission.) I shall be glad of the opportunity to reciprocate when occasion offers.

(Signed) CHAS. A. PFEIFFER,
Mayor.

Complaints and Petitions.

A mass of complaints and petitions were received during the year, practically all of which have been satisfactorily adjusted. A few of them are here given, that an idea may be gained as to the wide scope covered by this Department.

Petition for the repair of the railroad viaduct over the

Preston Avenue tunnel and for the stoppage of liquids percolating through the structural work. This condition was relieved by repairs to the roof of the bridge.

Petition for improvement in street railway service through abatement of delays and interruptions at railroad crossings. Petitioner stated such delays caused his employes to reach their places late, while it was noted trains that blocked the crossings in many instances were longer than permitted by ordinance. Situation largely abated by the railroad at fault.

Complaint of dark street lamp at Shearn and Oak Streets. Condition remedied when brought to notice of the Houston Lighting and Power Company.

Petition from several persons for electric lighting and power service. This petition was given careful consideration in the belief the petitioners were entitled to the service sought. However, it developed that a canvass of the particular neighborhood did not develop enough subscribers to warrant the extension of the wires as the nearest customer would be 372 feet distant from the nearest feed wire to Schwartz and Glass Streets, the section seeking the service.

Complaint was made of an alleged unreasonable deposit demanded by the Houston Lighting and Power Company for service installation. Investigation developed the matter was in error and was settled satisfactorily to petitioner.

Complaint from citizen that he was being charged more for electric lighting and power service than his neighbors. Settled satisfactorily to petitioner when taken up by this Department.

Complaint of alleged excessive charge by Gas Company developed a clerical error had been made in the accounts, and the remitting of the \$3.50 overcharge settled the matter satisfactorily to the petitioner.

Complaint from citizens against unnecessary blowing of locomotive whistles on the San Antonio & Aransas Pass Railroad within the city limits brought immediate relief when the matter was taken up with the Superintendent of Transportation of the railroad and the remedy suggested.

Complaint concerning alleged excessive and unnecessary noise by locomotives around and about the Union Station. When the matter was referred to the Houston Belt and Terminal Company that company installed a watchman in the tower at Texas Avenue and Hutchins Street and the movement and noise of all engines for two consecutive evenings were noted. It was found the only disturbance was the ringing of the bell, which is prescribed by State law and city ordinance. It was further brought out that all locomotives in the yards are equipped with muffled pops and that every precaution was made to reduce the noise nuisance to the minimum.

Complaint from the Houston Electric Company that delay in the paving of Washington Avenue west of the Southern Pacific Crossing and between that point and the city limits was throwing unusually heavy traffic on the pavement between the tracks, causing unreasonable wear and tear and interfering with the schedule of the street cars. This matter was referred to the proper department.

Through co-operation by the city with the Southern Pacific the condition of Shea Street just back of the Southern Pacific freight station was improved. A pool of water, due to improper grade, was drained and filled in with gravel, which also provided better access to the City Team tracks.

Request by the Houston Electric Company that this Department use its good offices to ameliorate conditions constantly arising through house moving, which, when the street car tracks are crossed, results in interrupted schedules, spliced trolley and feed wires and financial loss.

Petition from resident near Harrisburg Road for electric lighting and power service failed because of the great distance from the nearest feed wire of the house of the petitioner. The house is 501 feet distant from the feed wire and the Houston Lighting and Power Company is not in duty bound to furnish service to the house, according to Art. III, Sec. 4, of the City Ordinance, passed May 15th, 1911, establishing rules and regulations of public service corpora-

tions. As the case was not within the law this Department was powerless to grant or aid the petition.

Complaint against the Houston Gas and Fuel Company for an alleged excessive overcharge developed the fact that new and larger mains had been laid in the section in which the complainant resided, which, by improving the service, caused a great amount of gas to flow with an accompanying greater pressure. It was remarked before the improvement the gas supply was inefficient. The improved service made a difference of from fifty to eighty cents per month.

Complaint against an alleged excessive overcharge filed against the Houston Lighting and Power Company developed an earlier controversy between the petitioner and the lighting company, which had caused the placing of a meter on a pole outside the property of the consumer in order to secure proper registration of the current consumed in the building.

Complaint that the Galveston, Houston & Henderson Railroad was constructing a seven-foot board fence on trespassed property developed the fact that the company had secured a city permit to build the fence and that it was being built on the company's property and not on the property of citizen adjoining, as complained of.

Petition from citizen for crossing at the intersection of the Houston East & West Texas Railway with Campbell Street and for repairs to the crossing at Lee Street and the opening of a drain brought relief in all three instances when placed before the proper authorities.

Constant complaint was received from citizens regarding the bad condition of the crossing on Willow Street at Bonner's Point. The matter was placed before the Missouri, Kansas & Texas Railroad with the result that the company's division engineer was instructed to confer with the City Engineer as to the nature of the improvement demanded.

Anticipating possible complaint because of the interrupted service on the Liberty line July 17, 1912, the Houston Electric Company filed with this office a statement showing the delay of Liberty Avenue cars forty-seven minutes by a string

of freight cars on the Houston & Texas Central Railroad which obstructed part of the street and the electric line.

Complaint was made that drainage ditch in Hamilton Street was moved under sidewalk when the Interurban tracks were laid, two squares of the sidewalk falling into the ditch. This complaint was taken up with the result that the sidewalk was replaced and otherwise put in good condition.

Memorandum for information was made by the Houston Electric Company concerning the blockade of the San Felipe line for four hours July 25, 1912, by a housemover, who had stalled a house at Robin and Frederick Streets. Twenty-seven cars lost their regular trips, while feed and trolley wires were cut to allow the house to pass. The memorandum was filed to answer possible complaints against the Houston Electric Company for failure to operate San Felipe cars over the entire line during the period of the above stated interruption.

Complaint against alleged excessive charges for gas developed the fact that the complainant's bills were larger in the winter than in the summer and it could not be proven he was using less gas than he was being charged for.

Complaint was made concerning the unsanitary condition of ditches along the Columbia Tap Railroad. The matter was taken up with the International & Great Northern Railway with the result that the ditches were immediately cleaned and made sanitary.

Due to the activities of this Department a dangerous nuisance was discovered and abated when waste oil from the San Antonio & Aransas Pass tracks, which was running down the Dallas Street ditch, was cleaned up. The situation was the result of employes of the road failing to properly pump the waste oil, leaving it to flow into the ditch. It was pointed out by both the Fire Commissioner and the Fire Marshal that the oil was a menace to the section, as a match thrown into it would cause a conflagration. When the matter was directed to the attention of the railroad company it was given direct attention and the oil removed.

Complaint was made against the Southwestern Telegraph and Telephone Company because of refusal to extend its service to the 1600 block on Edmundson Street. Upon investigation it developed that it would entail an expense of approximately \$300.00 to place the telephone asked for at this time, which made it prohibitive. It was remarked the service extension is being made in that direction and that in a short time it will be able to make the connection desired.

Complaint of Houston Electric Company against delays at the West Street crossing on the Texas & New Orleans Railroad. It developed that a new towerman had been placed in charge, that the annunciator was not working properly and that the towerman had no notice of the approach of cars until they were upon the derail. Assurance was given that street car service would not be further hampered.

Petition from gas consumer, subletting part of his house to three tenants, asking for privilege of collecting from prepayment meters used by tenants, he paying the bill for gas for his use and for that of his tenants. It was explained his house was originally piped for gas and later as it was sub-let for tenants "quarter-meters" were installed. Monthly, when the meter was read, the total of the three payment meters was deducted from the general meter and the petitioner paid the difference. It was brought out that the Gas Company dislikes very much to set these so-called "deduct" meters, but are strongly urged to by patrons. The meter was adjusted when it was shown the result from month to month would make the amounts the same whether the one bill was paid by one person or by four persons, each paying for the amount of gas used.

While the foregoing petitions and complaints give an idea of some of the problems this Department is called upon to grasp and settle amicably, the following minor petitions and complaints suggest some of the daily routine work:

Complaint because of alleged delay in installing gas service.

Complaint regarding excessive height of railroad tracks on Hamilton Street and requesting street to be filled in.

Complaints of unnecessary noise made by defective pop-valve on locomotive No. 79 (switch engine) on the Houston & Texas Central Railroad, which was abated by repairs to the pop-valve.

Complaint regarding unsanitary condition of ditches along the San Antonio & Aransas Pass tracks from Main Street to Elgin Avenue. Referred to Roadmaster and ditch was cleaned.

Complaints of bad condition of Texas & New Orleans Railroad crossing at Sims and Odin Streets.

Request for the shelling of one block of street.

Hole in front of one complainant's driveway, referred to Houston Lighting and Power Company, was found to have been made by the Gas Company in laying new mains.

Complaint of condition of Commerce Street from Main to Milby Street, which it is understood must be kept in repair by the International & Great Northern Railway Company.

Complaint concerning condition of practically all railroad crossings in the Second Ward.

Request for telephone on Clark Street Road. Not within the jurisdiction of this Department, as it is out of the city's limits.

Complaint made of condition of ditches on Spring Street. Properly cleaned out when brought to the attention of the Missouri, Kansas & Texas Railway.

Drainage at Brazos Street and Gray Avenue corrected by Houston Electric Company following complaint of this Department.

Drainage conditions on Bacon Street improved when brought to the notice of this Department.

Requests for crossings on the International & Great Northern Railway at Carr and Quitman Streets; for crossings on the Houston East & West Texas Railway, and on the Trinity & Brazos Valley Railway at Campbell and Sims

Streets; at Quitman and Sims Streets; at Morris and Sims Streets, and on the Southern Pacific Railroad at Stevens and New Orleans Streets.

Request that the International & Great Northern Railway enlarge and lower its underground drainage from Buffalo Bayou north to Quitman Street on the west side of the track and build manholes at each intersection from the Southern Pacific Railway north to Quitman Street and continue open drainage to the city limits; also to lower and enlarge the drainage on the east side of the tracks from the Southern Pacific Railway to the city limits.

Request that the Houston East & West Texas Railway and the Trinity & Brazos Valley Railway lower and enlarge their drains on each side of the tracks from the Southern Pacific north to the city limits; also that the Southern Pacific Railroad be compelled to open and enlarge their drains from West Street east to Gregg Street. Special attention was called to the drains from West Street to Clark Street on either side of the track. In West Street it developed there were several pools of waste oil with the water which made it a fire menace to the community.

Request from the Houston Electric Company to clear Main Street and the southwestern corner of Prairie Avenue and the southwestern corner of Texas Avenue for the placing of poles, referred to and secured by this Department.

Request for reduction in charges for electric lighting and power service. Meter test not asked for.

Complaint of clogged drains at the intersection of the Trinity & Brazos Valley Railroad and Lee Street.

Complaint concerning defective arc lights.

Complaint concerning alleged overcharge for electric lighting and power service developed the fact that a previous bill had been too low through error and the month complained of the error corrected itself, making the bill correct for the two months, but apparently high for one month.

Complaint against unsanitary condition of the ditches along the Galveston, Harrisburg & San Antonio Railroad between Hemphill and Winter Streets.

Complaint by International & Great Northern Railway concerning garbage on its right-of-way between Commerce and Runnels Streets. Referred to the attention of the Health Department and garbage being removed under its direction.

Complaint concerning alleged overcharge for gas. Advised meter test could be made, but matter was dropped by complainant.

Railroads and Improvements.

Railroad properties within the city limits have been greatly improved during the year, and in many instances improvements added have been constructed according to standard specifications furnished by this Department. In all several thousands of dollars were expended in adding equipment for safeguarding the public and generally improving the properties. Detailed reports of the improvements are departmentized and classified by railroad as follows:

Missouri, Kansas & Texas Railway.

Report of A. M. Acheson, Chief Engineer of Maintenance:

Improvement of street crossings.....	\$2,000.00
New team tracks.....	700.00
Cotton shed	4,000.00
Air testing plant.....	2,000.00
Steam plant	900.00
Concrete settling basin.....	200.00
<hr/>	
Total	\$9,800.00

Galveston, Houston & Henderson Railway.

Report of J. H. Hill, Manager:

Spur to Hardin Lumber Co., 375 feet south side of Texas Avenue. Cost.....	\$ 689.57
Three crossings and cattle guards, St. Stephens Street, 500 feet south of St. Stephens Street and 1,350 feet south of St. Stephens Street. Cost of three crossings and cattle guards.....	855.90
<hr/>	
Total	\$1,545.47

San Antonio & Aransas Pass Railway.

Report of Edwin C. Finley, Supt. of Maintenance of Way:

Additions and betterments.....	\$ 5,864.45
Repairs and maintenance.....	16,004.65
<hr/>	
Total	\$21,869.10

Sunset-Central.

(Crossings.)

Report of L. B. McDonald, Superintendent Houston Terminals:

Texas & New Orleans Railroad—

Carr and New Orleans.....	\$ 23.59
Harley and New Orleans.....	90.59
West and New Orleans.....	17.89
Clark and Barron.....	115.20
McKee Street and Railroad.....	56.14
	\$ 303.41
Houston East & West Texas Railway—	
McKee Street and Railroad.....	\$75.54
	75.54

Galveston, Harrisburg & San Antonio Ry.—

Henderson and Winter Streets.....	\$35.03
	35.03

Houston & Texas Central Railroad—

Tenth and Railroad.....	\$320.15
Sixth and Railroad.....	365.81
Houston Avenue and Railroad.....	130.98
Oliver and Railroad.....	52.71
Silver and Railroad.....	84.39
Sawyer and Railroad.....	57.20
Graveyard Street and Railroad.....	76.65
McKee Street and Railroad.....	59.70
	1,147.59

Grand Total	\$1,561.57
-------------------	------------

Sunset-Central Lines' report covers cost of work done on crossings only.

International & Great Northern Railway.*Report of James Wachter, Superintendent of Terminals:*

Raising of platform at passenger depot.....	\$ 115.26
Finucane Boiler Works track.....	410.60
Hirsch Cooperage Co.....	145.39
Volker & Co. (two tracks).....	1,899.95
Heigh line track.....	895.45
Caboose track	84.71
Transfer track	320.21
City track No. 1.....	845.24
City track No. 2.....	766.01
City track No. 3.....	681.82
City track No. 4.....	554.08
Inside shed track.....	1,181.42
Density cotton yard.....	1,538.82
Alexander Sprunt No. 1.....	1,442.01
Alexander Sprunt No. 2.....	674.26
Calhoun Foundry & Machine Co.....	810.42
Switching track No. 3.....	1,539.10
National Lumber & Creosoting Co.....	1,832.01
Switching track No. 2.....	1,527.29
Magnolia Cotton Oil Mill track.....	131.45
Magnolia Cotton Oil Mill hull house track.....	539.01
Magnolia Cotton Oil Mill lead track.....	979.95
Stone & Webster Engineering Corporation.....	265.95
136 cars gravel used on streets and street crossings	1,000.00

Total	\$20,180.41
-------------	-------------

Switch Tracks Installed During Year.

Eleven new switch tracks were installed by the various railroads during the year, for which a total of \$350.00 first payment on the franchises was paid and subject to a total annual payment of \$210.00. The tracks were laid as follows:

Date Granted	Railroad	Location	First Pay'nt	Annual Pay'nt
Feb. 13, 1912	I. & G. N.....	Commerce and Buffalo.....	\$25.00	\$15.00
" 13, "	I. & G. N.....	St. Charles and Grove Sts....	25.00	15.00
" 19, "	G. H. & H.....	Texas Avenue	25.00	15.00
Mar. 4, "	I. & G. N.....	On and across Commerce...	25.00	15.00
April 8, "	G. H. & S. A..	Winter and Henderson Sts..	25.00	15.00
" 8, "	Ho. B. & T....	Commerce Avenue	25.00	15.00
" 8, "	Ho. B. & T....	Walker Avenue	25.00	15.00
" 8, "	H. & T. C....	Railroad Street	25.00	15.00
" 29, "	H. & T. C....	Baker and Allen Sts. (2)...	50.00	30.00
May 20, "	I. & G. N.....	Along and across LaBranch and Austin Sts.....		100.00

Railroad Crossings.

This Department has persistently kept behind all railroads in an effort to compel them to maintain their crossings in good condition, with the result that the crossings within the city limits are in better condition and the constant construction of new crossings and the more persistent repair of the old is producing a gradual betterment. The time is no doubt coming when the railroads will adopt the steel crossing, which will minimize the constant repair and will maintain a higher average of efficiency.

An example of progress in the construction of standard crossings is set by the Galveston, Houston & Henderson Railroad, which cut its right-of-way fence and installed the latest pattern of high standard street-wide crossings at St. John Street, one at Eastwood Street and a third at Maplewood Street. These crossings were put in at the request of this Department.

For several years efforts have been made by the City of Houston at different times to cause the International & Great Northern Railway to open McGowen Avenue across its right-of-way (it being fenced on both sides), but without success. This year this Department paved the way toward a renewal

of the request, with the result the opening was made, the railway installing a modern street-wide crossing, which provides free passage in either direction through this important avenue.

Other improvements done by the railroads during the year, mainly at the request of this Department, include the placing of several new street lights, the repair of the roof of the Preston Avenue Tunnel by the International & Great Northern Railway, ditching along the San Antonio & Aransas Pass Railroad from Blodgett to Buffalo Bayou, enlarged and deepened to grade so as to give better drainage, and small drain pipes between Harrisburg and Buffalo Bayou removed and ample drains of four feet by six feet installed at street intersections, relieving a bad condition existing for years.

Houston Electric Company.

(Street Railways.)

Following a series of complaints to this Department concerning the custom of the street railway company closing the rear doors of pre-payment cars when the conductor is flagging a railroad crossing, this Department secured the abolition of the order which went into effect March 4, 1912, and is as follows:

HOUSTON ELECTRIC COMPANY.

NOTICE.

March 4, 1912.

To All Trainmen:

Effective at once, our present rule requiring conductors to lock the rear entrance doors of prepayment cars at railroad crossings will be abolished.

(Signed) R. T. SULLIVAN,
General Superintendent.

Street Railway Improvements.

Detailed report of improvements by the Houston Electric Company for the year is as follows:

Operating Department Improvements:

A schedule department was organized for the purpose of making a study of traffic conditions in order that intelli-

gent effort might be directed towards the planning of schedules.

For this purpose the taking of traffic checks or the making of passenger counts is the first important duty. These checks are either actual count of the number of passengers on a car or are made up from the conductor's reports. In either case the information secured is put to use in adjusting the schedule to meet the conditions of traffic. Since it is impossible to foretell exactly the number of passengers that will offer to ride on some line at a certain time, the schedule is planned to carry the number of passengers that a series of traffic checks shows to have been the average number riding on days previously. When this number varies the schedule is changed to meet conditions. During the year there were 121 changes of this character and every change was in the direction of increased number of trips or additional cars.

Five additional all-day cars were placed in service during the year with sixteen cars added in the morning rush and twenty-one cars added in the evening rush.

The schedule department keeps a record of all delays, with the cause and duration. This record is classified as to causes and shows just what is the greatest source of delay. The delays due to blocked railroad crossings are a matter of especial attention.

It also keeps in touch with extra service requirements, and aids in re-routing cars when necessary to do so.

An instruction department was organized in February, 1912, in order that the public might be served by men having the best possible instruction.

There are two instructors, one having charge of the school room and one supervising the road instruction.

The new man undergoes instruction on the road under actual operating conditions with an experienced motorman or conductor to see that he learns the proper method of operating a car. This is under the direct supervision of the road instructor.

In addition the road instructor makes use of an instruc-

tion car on which he takes the student trainmen twice weekly, in order to give them experience in locating and remedying defects or faults of the car that are apt to arise on the road.

In the school room the student undergoes a series of lectures and examinations to acquaint him with the theory of operation and equipment of cars he will have to operate. He is also instructed in the rules of operation and the theory of his relations with the public.

After passing all examinations the student is placed on the work list, but is kept on probation for six months, during which time he reports at regular intervals for further instruction and advice.

During the year 1912 80 motormen and 155 conductors were graduated from this school.

In February, 1912, a complaint department was established for the purpose of handling all complaints that arise in the company's relations with the public. No matter what the complaint is, or what department is responsible, the complaint comes to the complaint department. Here it is recorded and then forwarded to the proper official for investigation. After the investigation the complaint department is advised of the result of the investigation, and the action taken in regard to it. In turn, the person making the complaint is either written to or visited, and the situation gone over. If the complaint is a justifiable one every effort is made to adjust it to the satisfaction of the complainant. In case the complaint is based on some regulation of the company that is causing dissatisfaction, no pains are spared to make the position of the company clear, and by explaining the reason for the regulation, to remove the dissatisfaction in the mind of the person making the complaint.

No complaint is neglected, but a full and complete investigation is made, and the person making the complaint is assured of the company's desire to see full justice done.

Power Department Improvements.

A sub-station with a rated capacity of 1,000 kilowatts was added during the year 1912.

Rolling Stock Improvements.

Fourteen new PAYE-type cars have been put in operation. These cars have all the latest improvements in the way of safety devices.

Modern headlights have been installed on all cars.

Every car has been equipped with Nason Safety Treads on both entrance and exit steps and door openings.

The latest type H. B. Automatic Life Guard has been installed on all double-truck cars.

Hunter patent illuminated signs have been placed on each side of all cars, making four illuminated signs on all double-end equipment.

Ninety per cent of the entire equipment has been completed with larger axles on the standard M. C. B. type and new journal boxes.

One new 160 H. P. motor flat car of the center cab construction has been completed and put in operation.

All drawheads of the entire system have been standardized.

Track and Overhead Improvements.

During the year 1912 the Montrose Line was added to the street railway system in the City of Houston. This line branches off the Louisiana Line at Fairview and Milby, runs south on Milby and Ariel Streets to Hawthorne Street; thence west on Hawthorne to Terry Street; thence south on Terry Street to West Main Street in the Montrose Addition. This line is 1.11 miles long.

The remaining work was the repairing and reconstructing lines built previous to 1912. The inbound side of the San Felipe Line on Dallas Avenue and San Felipe Street was rebuilt with new 70-pound rail in connection with paving the streets. Only that portion of the line on Dallas Avenue and a small portion on the east end of San Felipe Street were

paved in 1912, the remaining work to be completed in the early part of 1913.

That portion of Woodland Heights Line on Houston Avenue, between Dart and Spring Streets, was double-tracked and paved with brick throughout. The poles on this line between Washington Street and White Oak bridge were moved five feet on each side, to allow for the widening of Houston Avenue between these points.

To facilitate the operation of cars and prevent congestion of traffic at this point, new special work layout with passing curves was installed at Franklin and Travis.

On account of the construction of the Main Street Viaduct it was necessary to remove tracks of Montgomery Line on Wood Street and Montgomery Avenue at their intersection. Temporary track was laid on Vine Street from Wood to Shea Street, and thence on Shea Street to Montgomery Avenue, joining old track at that point. These tracks are to be removed as soon as tracks can be placed on the new viaduct.

In connection with track surfacing on San Felipe Line on Robin and Andrews Streets, and on Franklin Line on German Street, from I. & G. N. crossing to Buffalo Street, both sides of these streets were ditched and graded in order to provide better drainage.

The paving in car tracks was given close attention and kept in best possible repair. Both tracks on Washington Street between White and Sawyer were paved with brick. Replaced asphalt with new brick pavement in track on Houston Avenue between Washington Avenue and Dart Street. New brick pavement was placed in track on Harrisburg Road between Shepherd and Palmer Streets. Low places in Harrisburg Road from Milby Street to city limits were filled with shell from time to time as it became necessary.

Tracks on Franklin Avenue between Main and San Jacinto and on Travis between Franklin and Texas were paved with asphalt in conjunction with city's portion of these streets.

A brick header was placed around track on Main Street

to meet new asphalt paving, as these tracks are to be paved with brick instead of asphalt. Considerable work was also done on those lines which are on streets paved with shell and gravel.

That portion of Pierce Avenue and Jackson Street which are occupied by Houston Electric Company's lines are filled with shell at various times throughout the year as same is needed. The low places in tracks in the various gravel streets were filled with fine gravel suitable to maintain a smooth surface.

Automatic switch throwing devices were attached to switches in the down-town district, which permits of a more speedy operation of cars and prevents a congestion of traffic.

Where it was necessary to tear up streets during construction an effort was made to occasion as little inconvenience to the public as possible, and every precaution was taken to prevent accidents. The fire department was always notified when a street was blocked and again when same was opened. Watchmen are held at all open tracks (at night) who see that sufficient red lights are placed around open work, and also warn people of dangerous places.

All defects on street railway lines in bridges, culverts or paving which were brought to the attention of the company by the city were immediately investigated and necessary repairs made as quickly as possible.

The important change in the overhead system was in the feeders furnishing power to the various lines. A new sub-station was built at Pierce Avenue and Wall Street, these feeders running from this station to Harrisburg, Leeland, Aransas Pass, La Branch, South End and Franklin lines. New feeders were strung from power plant on La Branch Street out Washington Avenue to furnish power to Brunner, Houston Heights and Woodland Heights lines.

The two most serious delays to the service of the company were caused by the damage done to overhead wires by fires. Fifth Ward fire made it necessary to build three blocks of overhead on Conti Street, and make extensive repairs on

three blocks on Nance Street, set thirteen poles and string about 1,000 feet of new wire on Conti Street between Hardy and Maffitt, set eight poles and renewed spans and hangers on Nance Street between Maffitt and Mary. All forces were concentrated on this work and in the latter part of the afternoon following the fire operation of cars over this district was resumed.

The fire at Capitol and Main caused the delay of all lines, as it was necessary to cut power off trolley in down-town district for several hours. About a block and a half of overhead had to be rebuilt at this location. The line crew of the company attend all fires of any consequence and are ready to clear wires and assist firemen in any way possible.

There were 90 creosote and 115 cedar poles set during the year, practically all of which were replacements. In the business district eyebolts are being placed in buildings to a large extent and poles removed from the streets.

The rebuilding of the track and the repaving of the company's portion of the street from Eighth to Houston Avenue on Washington Street was begun in 1912 and will be finished by about March of this year.

The realignment of the track on Houston Avenue to permit of operation over the two new bridges is work that began in 1912 and will be finished about June 1, 1913.

Houston Gas and Fuel Company.

The first annual report of this Department last year did not contain data concerning the Houston Gas & Fuel Company, as it had not been furnished by the time the report was filed. Under date of May 1, 1912, a complete comprehensive report was filed by the company, same being on file and a part of the records of this office.

Improvements.

During the year the Houston Gas & Fuel Company has made extensive improvements and greatly enlarged its facilities and service. Improvements made to the works aggregate about \$255,000.00, including a 3,000,000 cubic feet hold-

er, a 50,000-foot holder, a concrete oil tank, a new rotary meter and retaining walls and bulkhead. A total of \$56,000 was expended in main construction. The total number of feet of main laid during the year was 70,354 feet, the size ranging from four to twelve inches. Expended on the works and the distributing system was approximately \$290,000.00.

In miles the company laid 15.85 miles of mains during the year, making a total mileage now in use of 146.6 miles. A total of 956 new service connections were made during the year. The price of gas was reduced by ordinance by the City Council during the year five cents per thousand feet, the reduction going into effect March 1, 1912.

A situation arose during the year in connection with gas service the result of which will have important bearing on future situations of a like character. Request was made for connection for a second house from the feed lines to a first house, which was refused by the gas company, their contention being that the feed line to the second house must tap the main feed line in the street, which would necessitate the feed line to the second house going round the corner a distance of 244 feet. Three reasons were advanced by the Gas Company for refusing this connection from the first house to the second house, as follows:

First—That the service pipe supplying the first house was large enough for one house, but was never intended to supply more than one house.

Second—That the laying of service pipes between the first house and the second house would be on private property, thereby taking control of the service pipe from the gas company.

Third—That such a procedure would be exceedingly dangerous, for if a complaint man, ignorant of the double connection, were to clear the service pipe with his blow pump from the second house the air in this force pump would put out the gas in the first house if it were burning, and after the air was dissipated the gas would come back and might cause asphyxiation or explosion.

Meter Tests.

According to Section 3, Article 5, of the ordinance establishing the office of Public Service Commissioner for the City of Houston, report is here made of test of gas meter at the Baptist Sanitarium. The test was made January 4, 1913, in the presence of your Commissioner. The test developed the meter to be 28/100 of one per cent slow. This test shows the meter to have been accurate. The city ordinance provides that a meter shall be considered correct if not more than two per cent fast.

Houston Lighting and Power Company, 1905.

Condensed statement of the improvements and additions made by the Houston Lighting and Power Company, 1905, during the year is as follows:

During the past twelve months expended on the underground system, construction of which was begun in the early part of 1911	\$ 52,416.26
(This includes the removal in the underground (business) district of all overhead wires, poles, etc., excepting such poles now being used by the Western Union Telegraph Co. on Main Street.)	
Installed in the underground (business) district, seventy-nine decorative street lamps.....	13,117.42
Installed laterals and cables for lighting police and fire alarm signals	559.06
Rebuilt overhead system in all parts of the city.....	46,399.28
Building extension to powerhouse, installation of the new switchboard equipment, feeder regulators, 500-KW. generator, fire hydrants, fuel oil storage system and 25,000-gallon elevated steel water tank.....	44,567.52
Total	\$157,059.54

Work Contemplated and Under Way, Year 1913.

Construction of building extension to boiler and engine house, installation of two 600-horsepower boilers, one 6250-KVA. turbine and appurtenances, an electric traveling crane, and completion of the rebuilding of the overhead system, which was begun in 1912, at a total cost of.....\$189,336.50

Railroad Arc Lights.

List of railroad arc lamps cut in from March 1, 1912, to February 21, 1913:

Name of R. R.	Date Cut In	Location of Lamp
I. & G. N. Ry.....	July 19, 1912	Orrienne St. and Magnolia Park Add'n
G. H. & S. A. Ry..	Aug. 2, 1912	Lovett Boulevard and G. H. & S. A. Ry.
G. H. & S. A. Ry..	Aug. 2, 1912	West Alabama and G. H. & S. A. Ry.

Houston Home Telephone Company.

The Houston Home Telephone Company (Automatic) was not in operation at the time of making the last annual report, so no figures were available concerning the company. However, notice was given the full report would be forthcoming and the report as rendered is herewith given in full:

I.

"The charter was taken out in July, 1907, in the State of Texas, and gives the company the right to buy, sell, build, construct, operate and maintain telephone properties and long distance lines for the purpose of conveying sounds, signals and intelligence by electricity.

II.

"The charter was taken out in July, 1907, and runs for a period of fifty years.

III.

"The Houston Home Telephone Company is operating under a franchise passed July 8, 1907, and approved by H. B. Rice, Mayor of the City of Houston, July 8, 1907. This franchise was granted to build, maintain and operate an Automatic telephone system in the City of Houston, and is recorded on Page 215, Book 2, of the City Ordinances.

IV.

"See maps 516, 545, 546.

V.

"One lot 50x100 feet located at 803 Caroline Street, Lot No. 10, Block No. 96, City of Houston.

VI.

"We are not using any of the streets or city property for any other purpose than setting poles and stringing wires and cables, aerial and underground, and underground conduits.

VII.

"The plant will be completed in 1912.

VIII.

"The plant up to February 1, 1912, cost approximately \$380,000.

IX.

"The cost of reproducing the plant up to its present capacity would probably approximate \$425,000 to \$450,000, owing to the fact that a great deal of the underground work was put in ahead of the pavements.

X.

"See maps 502, 502½, 516, 545, 546, 551, 552, 553, 554, 555, 556, 561.

"Total number of manholes.....	305
Total number of miles of trench.....	16.84
Total number of miles of duct.....	68.17
Total number of miles of cable.....	43.21

XI.

"See maps 516, 545, 546.

"Total number of poles.....	3022
Total number of miles of poles.....	57.85
Total number of miles of cable.....	47.45

XII.

"Residence telephones installed, February 1, 1912..... 708

XIII.

"Business telephones installed, February 1, 1912..... 685

XIV.

"Our charge for telephone service is as follows:

Main line, business.....	\$4.00	per Month
Main line, residence.....	2.00	" "
Business extension	1.00	" "
Residence extension .....	.50	" "
Private Branch Exchanges:		
Each trunk line.....	4.00	" "
Switchboard	1.00	" "
Each station	1.00	" "
Extra name, business.....	1.00	" "
Extra name, residence.....	.50	" "
Extra listing .....	.33½	"

XV.

"We require each and every subscriber to sign a contract for one year, which contract requires that rental for telephone service be paid in advance monthly.

XVI.

"We make no extra charge for extensions beyond our present radius for service inside the city limits.

XVII.

"We require that all bills be paid in advance monthly at our office or by check.

XVIII.

"Repairs are made as quick as it is possible to make them, which means that we immediately send a man on any case of trouble that is reported or found."

Southwestern Telegraph and Telephone Company.

The system of underground conduits of the Southwestern Telegraph and Telephone Company was extended by the addition of ten different lines during the year, as follows:

A Description.

The line of conduit extending on Main Street from Texas

Avenue to Capitol Avenue on the east side of the street, was built in 1912.

The line of conduit extending on San Jacinto Street on the west side of the street from Prairie Avenue 296 feet south. This line was built in 1912.

The line of conduit extending on San Jacinto Street on the west side of the street from Texas Avenue 195 feet south was built in 1912.

The line of conduit extending on San Jacinto street on the west side of the street from Capitol Avenue to Rusk was built in 1912.

The line of conduit extending on the north side of Capitol Avenue east from San Jacinto Street to Main Street was built in 1912.

The line of conduit extending on the north side of Dallas Avenue from Fannin Street to San Felipe Street, thence southwest on San Felipe to Frederick Street, was built in 1912.

The line of conduit extending on the east side of Fannin Street from Elgin to Eagle Street, with a lateral extending on the east side of Isabelle Street to San Jacinto Street, was built in 1912.

The line of conduit extending on the Harrisburg Road on the south side of Milby Street to Shepherd Street was built in 1912.

The line of conduit extending on the south line of Dennis Street from Fannin Street to San Jacinto Street, thence across the street to the north side of Austin Street, thence to the south side of the street to St. Emanuel Street, was built in 1912.

The line of conduit extending on the south side of Elgin Avenue from midway of Brazos Street to Block E to Chartres Street was built in 1912.

Poles.

The following list of poles were set during the year preceding January 1, 1913:

25-foot poles.....	154	35-foot poles.....	50
30-foot poles.....	384	45-foot poles.....	3

The above are equipped with:

12-pin arms.....	4245	10-pin arms.....	347
------------------	------	------------------	-----

The total number of feet of wire strung on poles in the City of Houston is 82,546,440, at a value of..... \$332,955.17

The total number of feet of wire strung in the conduit system in the City of Houston is 132,798,174, of the value of..... 229,927.51

The total number of feet of wire strung in the conduit system outside of the city limits of the City of Houston is 15,881,850, of the value of..... 31,892.61

Toll wire within the City of Houston, 790,831 feet; value.... 3,377.86

Underground toll cable..... 1,166.83

Total value of all property used in the business of the Company in the City of Houston to January 1st, 1913:

	In City	Outside City
Conduits and laterals.....	\$ 194,379.97	\$ 182,566.84
Poles	155,715.35	108,496.60
Aerial wire	493,362.10	332,955.17
Underground wire	261,820.12	229,927.51
Central office	450,792.20	250,792.20
Sub-stations	205,723.98	184,471.84
Toll wire	14,500.56	3,377.86
Real estate	490,732.05	467,024.36
Furniture, supplies, etc.....	48,295.62	48,295.62
Toll underground cable.....	1,166.83	1,166.83
Total	\$2,316,488.78	\$2,009,074.83
		\$307,413.95

Conclusion.

I wish to express my appreciation to yourself and the honorable Commissioners for their co-operation and support, and to J. M. Ray, inspector and assistant in this office, for his valuable and efficient services, all of which have materially aided in bringing this Department to its present state of efficiency.

Respectfully submitted,
J. Z. GASTON,
Public Service Commissioner.

ANNUAL REPORT

OF

J. D. McNALLEY,

CITY SCAVENGER,

For the Year Ending February 28, 1913.

REPORT OF CITY SCAVENGER.

HOUSTON, TEXAS.

TO THE HON. H. B. RICE,
Mayor City of Houston.

DEAR SIR:—I herewith beg to submit the annual report of the Scavenger Department showing receipts and disbursements and all work done in the department for the year ending February 28, 1913.

During the year I bought four mules for the Department and consequently raised the expenses of the Department.

GENERAL REVENUE.

Amount of Closets Cleaned.

March,	1912.....	\$ 1,541.00
April,	"	1,512.25
May,	"	2,003.75
June,	"	1,405.25
July,	"	1,345.75
August,	"	1,265.25
September,	"	1,300.00
October,	"	1,342.50
November,	"	1,414.00
December,	"	1,425.25
January, 1913.....		1,607.00
February, "	.....	<u>1,443.75</u>
Total		\$17,605.75

Amount of Cash Collected.

March,	1912.....	\$ 1,569.75
April,	"	1,521.50
May,	"	2,009.00
June,	"	1,501.00
July,	"	1,401.75
August,	"	1,394.50
September,	"	1,344.00
October,	"	1,371.75
November,	"	1,407.75
December,	"	1,472.00
January, 1913.....		1,598.75
February, "	.....	<u>1,485.75</u>
Total		\$18,077.50

Amount of Closets Cleaned With No Collections.

Charity	\$ 8.75
Public Schools	152.50
City Stables	1.75
Wharf, Fire Station and Parks.....	1.75
Infant Home	1.75
Bills unpaid	<u>33.50</u>
 Total	 <u>\$200.00</u>

Recapitulation.

Cash collected	\$18,077.50
Bills outstanding	<u>200.00</u>
 Total	 <u>\$18,277.50</u>
Expense	18,645.72
 Loss	 <u>\$ 368.22</u>
Amount of appropriation.....	\$13,000.00
Amount of expense.....	<u>18,645.72</u>

Amount expended above appropriation.....\$ 5,645.72

General Expense.

Inspectors, office, salary.....	\$ 7,117.62
Labor	7,320.61
Feed, stock	1,998.05
Medical service for stock.....	15.00
Horseshoeing	143.55
Repairs on wagons.....	458.35
Tools and repairs.....	48.41
Harness and repairs.....	66.40
Stationery and printing.....	111.00
Axle grease	11.70
Mules purchased	1,040.00
Phone	2.00
Barrels and repairs.....	153.40
Disinfectants	159.63
 Total	 <u>\$18,645.72</u>

Number of Places Cleaned and Condemned During Year.

		Cleaned	Condemned
March,	1912.....	1,917	1,531
April,	"	1,839	1,706
May,	"	2,465	2,012
June,	"	1,774	1,668
July,	"	1,681	1,512
August,	"	1,584	1,664
September,	"	1,649	1,644
October,	"	1,666	1,620
November,	"	1,749	1,688
December,	"	1,761	1,711
January, 1913.....		1,980	1,640
February, "	.....	1,795	1,796
Total		21,860	20,192

Inventory of Live Stock, Wagons, Barrels, etc.

Mules	10
Wagons	6
Sanitary barrels, new.....	12
Sanitary barrels, old.....	35
Disinfectants, kegs	5
Disinfectants, gallons	156

Respectfully submitted,

J. D. McNALLEY,

City Scavenger.

ANNUAL REPORT

OF

E. C. NOBLE,

CHIEF OF POLICE,

For the Year Ending February 28, 1913.

REPORT OF POLICE DEPARTMENT.

HOUSTON, TEXAS, March 10, 1913.

HON. H. B. RICE, *Mayor, and Board of Commissioners:*

GENTLEMEN:—I have the honor to submit herewith the 12th annual report for the fiscal year ending February 28, 1913, together with the suggestions and recommendations which, in my opinion, are necessary for the betterment of the Department. Of course, my personal connection with the Department covers from August, 1912, but the report is full and complete with the work that was done during the year under my predecessors.

Police School.

Soon after my taking charge I established this school, which purpose was to instruct the men of this Department in the handling of police work, and in this I called upon some of our best posted citizens to come before the men and discuss the duties of a Police Officer and the rights of a citizen; when and how to make an arrest and how to treat the individual arrested, and I am glad to say there has been much good come from this school work.

Moving Picture Censorship.

This report does not cover the entire year of 1912 as the office was not created until April 23, 1913, but much has been done since the creation of this office. One of the first things that was done was to send out blanks to the managers of the various places of amusement, and upon these were given the names of the manager, the kind of show, class or grade of entertainment offered to the public, admission fee and a list of the employees therein, together with the name of the property owner. Much has been done to discourage the use of juvenile labor in connection with the places of amusement. Regard has been given to the ventilation, light-

ing and heating of various show houses. These have been made to conform with the City Ordinances. The endeavor has been to keep the shows free from all shows and pictures that are in any degree coarse or vulgar or that give out the wrong lesson to the public. The habits and costumes of the players have been censored rigidly and the bad has been discouraged and the good encouraged. The work has been carried on in a strictly constructive way and we believe that the various places of amusement of our city are much improved over what they were when this work was begun.

Traffic Squad.

On September 1, 1912, I installed the Police Mounted Traffic Squad, put them on Main and other principal streets of the city to handle and to direct the movement of traffic. The Department has been the recipient of many compliments on the thorough and proficient work done by these men, as they have aided very materially in bringing about the splendid traffic regulations in the handling of vehicles and automobiles during congested times on Main and Travis, as well as other much traveled thoroughfares. I feel the putting to work of this squad was satisfactory to the entire citizenship and pleasing to visitors that came to the city.

Automobiles and Patrol.

The Department is well equipped with two automobiles and one patrol and from this I feel that the work of the Department has been wonderfully helped, and just how important and necessary it is for a well organized Police Department to have the very best and modern equipment, to speedily, thoroughly and efficiently handle their work.

Motorcycle Squad.

The Department has four motorcycle men that watch the crowded streets to prevent reckless driving and speeding and the work of these men has been everything that could be expected from them.

The Gamewell System.

This thorough and efficient system for speedily handling work has been fully installed in our city, and it has added greatly to the proficiency of the men's work, and through this it is no trouble for the Department to keep in close touch with the men on their beats or the men in touch with this office, and without this system any Police Department would be greatly hampered.

Lottery Devices in Stores.

Numerous places patronized by young people have from time to time kept lottery devices designed to attract children and encourage a spirit of gambling. Many of the places having these devices are closed by the police each month.

Detective Department.

This Department, supervised over by R. R. Smith, has done good work. There have been very few burglaries of any consequence that the guilty person has not been caught and brought to justice, and I am happy to say that very few thefts have occurred of any consequence in this city during this year. Murders and homicides are something that are unusual and seldom occur in this city and I attribute this largely to the thorough and efficient work of this Department.

Humane Department.

This Department was established September 1, 1912. Dr. Hudson was placed in charge and the work done by him and his men, as shown in the attached report from him, is very gratifying, indeed.

Stock and Dog Pound.

The Department has been diligently endeavoring to keep stock out of the city limits and when they did get in and over the line have been brought to the pound, which is now in the rear of the station, for which the city received in fees last year \$3,282.90; \$582.00 was taken in from the sale of dog

tax and during the months beginning with May and continuing to November 1, we run a regular "dog wagon" for the purpose of ridding the city of all dogs that gather in from rural districts that tax has not been paid on. These dogs are gathered in and held in pound for a certain number of days and if they are not called for and taken out by some one who will pay the tax on them, they are then exterminated.

Police Station.

This Department is and has been terribly handicapped in its work by not having a suitable station that should be built for a city of this size and one with a great future like we have. The jail part is bad, inconvenient and hard to keep in a sanitary condition. The office rooms are ill provided for, which makes it quite difficult in handling the great volume of work that comes up daily. We are unable to keep a Police Matron, on account of no provision or room being made for a woman to spend her time in at the station, and I would strongly recommend that there be some action taken relative to the building and equipping one of the most modern police stations to be found in any city and one that would accommodate a city of twice our size, as it is apparent now that it will only be a few years until we will have need of such a station.

Civil Service.

I feel that a department, as important as the Police Department, should be operated under civil service rules and regulations. With this a Department is composed of strong men, morally, mentally and physically, and their connection with the Department and their staying with same depends entirely upon their work as a police officer. There is no department of a city government closer in touch with the people than this Department and there should be nothing left undone to elevate it to the very highest standard of thoroughness in all lines of the work that comes to a department of this kind. I feel there should be a graduated scale for the payment of police officers. With this every

man entering the Police Department has something to look forward to besides the salary he receives when going to work.

Maintenance of Department.

I would recommend and suggest that in making the budget for caring for and looking after the Police Department that the Mayor and Commissioners take into consideration how important it is to see that sufficient funds are provided for this Department to carry out the work that comes before it without being hampered in the least. I feel that there should be at least \$150,000.00 set aside for the maintenance and caring for the work of the Police Department, as there are many items of expense that come up that means much to the city, much to the community and much to the welfare of the people that can not be done if there are not such provisions for this work. There are many destitute and hungry people that the Department is forced to handle at a time they can not be placed anywhere they can be properly taken care of, and unless the city can feel sufficiently the needs and demands of humanity, it is likely that things will come up that will cause criticism and comment of the Department and the administration that should not be, and I would urge and request that this matter in the budget should be thoughtfully and carefully looked into by the Mayor and Board of Commissioners, and I shall be pleased, if it becomes necessary, to go before the Mayor and Council and discuss these needs personally. I feel, though, that this will be unnecessary, as in a great and growing city of this kind there can be no doubt but what the human side will present itself to the Mayor and Council and adequate means provided for the caring for and maintenance for not only this Department, but for other needs that come upon it.

In conclusion, I desire to thank the Mayor and Commissioners for their many kindnesses to me and this Department, also the Judge and the Clerk of the Court at the station. I also wish to express my thanks and great pleasure for what has been done by all the men, the Detective and Humane Departments and all those associated with me at

the station, for their hearty co-operation and untiring work of maintaining peace and order throughout the city and of rendering the work of this Department thorough and efficient.

Yours very truly,

E. C. NOBLE,

Chief of Police.

Arrests Made During the Fiscal Year Ending February 28, 1913.

Month	Year	WHITE		COLORED		Total
		Male	Female	Male	Female	
March,	1912.....	509	9	288	34	840
April,	"	665	20	320	40	1,045
May,	"	559	32	363	56	1,010
June,	"	333	20	229	46	628
July,	"	324	22	209	43	598
August,	"	446	35	266	72	819
September,	"	446	61	248	55	810
October,	"	434	31	232	49	746
November,	"	528	31	202	27	788
December,	"	519	11	262	32	824
January,	1913.....	485	18	222	36	761
February,	"	355	12	212	43	622
Total		5,603	302	3,053	533	9,491

Violating State Laws.

Abusive language	172
Accidental homicide	1
Aggravated assault	86
Assault	381
Assault to murder.....	117
Assault to rob.....	2
Assault to rape.....	6
Arson	5
Bigamy	2
Burglary	98
Carrying a dirk.....	1
Carrying a pistol.....	94
Carrying knucks	4
Cruelty to animals.....	23
Compounding crimes	3
Cursing over telephone.....	3
Drunkenness	1,591
Disturbing the public peace.....	1,155
Disturbing public worship.....	1
Embezzlement	16
Exhibiting a game	5
Fighting	380
Forgery	17
Gaming	438
Intimidation	2
Incest	1
Keeping a disorderly house.....	23
Murder	19
Malicious mischief	17
Negligent homicide	1
Opium, unlawfully selling.....	1
Pandering	2
Perjury	1
Passing counterfeit money.....	2
Rape	10
Robbery	21
Receiving and concealing stolen property.....	10
Robbery by firearms.....	1
Scalping railroad tickets.....	2
Seriously threatening life.....	2
Swindling	19
Theft, felony	111
Theft, misdemeanor	151
Theft of horse.....	12
Theft from the person	22
Train jumping	25
Trespassing	13
Vagrancy	1,464
Violating Sunday law.....	19
Violating liquor law.....	2
White slavery	1
Total	6,555

Violating City Ordinances.

Allowing vicious dog to run at large.....	1
Accompanying lewd women on streets.....	40
Bicycle riding on sidewalk.....	9
Building without a permit.....	1
Bathing in bayou.....	3
Causing a collision.....	74
Discharging firearms in the city limits.....	20
Driving over fire hose.....	8
Driving fast over bridge.....	13
Driving fast through street.....	8
Driving through funeral procession.....	2
Impersonating an officer.....	2
Interfering with an officer in discharge of duty.....	13
Jumping street cars.....	2
Loitering in and around houses of prostitution.....	116
Operating automobile with "cut-out" open.....	17
Operating automobile without registering number.....	5
Operating automobile without signal light.....	6
Obstructing public streets.....	6
Obstructing public sidewalk.....	2
Peddling without a license.....	12
Permitting minor to play pool.....	2
Resisting an officer.....	9
Registering in hotel as man and wife, when not so.....	18
Smoking in street car.....	2
Street walking	37
Spitting in street car.....	3
Sleeping in public place.....	3
Turning in false fire alarm.....	8
Using siren whistle on automobile.....	2
Using vehicle without consent of owner.....	3
Violating Automobile Speed Ordinance.....	148
Violating Article 444.....	1
Violating Electrical Ordinance.....	1
Violating Traffic Ordinance.....	312
Violating Fruit-stand Ordinance.....	1
Violating Milk Ordinance.....	11
Violating Stop Ordinance.....	2
Violating Junk Dealer Ordinance.....	2
Violating Ice Cream Dealer Ordinance.....	1
Violating Sweeping Ordinance.....	1
Violating Goo-Goo Eye Ordinance.....	20
Violating Street Car Ordinance.....	7
Violating Pawnbroker Ordinance.....	3
Violating Plumber Ordinance.....	6
Violating Gasoline Ordinance.....	1
Violating "Move-On" Ordinance.....	2
Violating Depot Ordinance.....	1
Wearing clothes of opposite sex.....	1
Total	969

Recapitulation.

Violating State Laws.....	6,555
Violating City Ordinances.....	969
Suspicious characters	1,869
United States deserters.....	1
Lunacy	25
Escaped convicts recaptured.....	8
Contempt of court.....	6
Juveniles arrested	56
Fugitives from justice.....	2
Total	<u>9,491</u>
Number of head of stock impounded.....	1,190
Number of dogs destroyed.....	873

Total Number of Runs Made, and Number of Miles Traveled, by Patrol Wagon During Year Ending February 28, 1913.

Month	Year	DAY		NIGHT	
		Runs	Miles	Runs	Miles
March,	1912.....	218	343	246	395
April,	"	207	333	260	494
May,	"	180	288	258	432
June,	"	138	241	185	323
July,	"	144	248	178	318
August,	"	168	265	218	353
September,	"	157	258	203	336
October,	"	173	306	202	330
November,	"	184	311	221	340
December,	"	168	296	268	357
January, 1913.....		193	274	293	438
February, "	.....	181	300	222	321
Total		<u>2,111</u>	<u>3,463</u>	<u>2,754</u>	<u>4,437</u>

Working Force and Salaries of Department.

No.	Position	Salary
1	Chief	\$ 4,000.00
1	Assistant Chief	1,560.00
1	Captain	1,500.00
2	Sergeants	2,640.00
2	Desk Sergeants	2,160.00
1	Chief Clerk	1,800.00
1	Bertillon Operator	1,200.00
1	Stenographer	960.00
1	Chief of Detectives.....	1,500.00
14	Detectives	16,800.00
4	Humane Officers	4,440.00
1	Warrant Officer	1,140.00
4	Chauffeurs	3,840.00
1	Mechanic	960.00
62	Patrolmen	59,520.00
19	Mounted Officers	21,660.00
9	Traffic Squad	9,300.00
4	Motorcycle Officers	3,840.00
2	Turnkeys	1,920.00
131	Total	\$140,740.00

Revenue Police Department.

Month	Fines and Costs	Pound	Dog Tax	Special Detail	Other	Total
Mar. 1912 ..	\$ 1,648.85	\$ 536.75	.....	\$ 160.00	\$ 37.00	\$ 2,382.60
Apl. " ..	3,588.35	348.90	.....	160.00	7.95	4,105.20
May " ..	2,797.85	329.25	\$ 542.00	160.00	114.75	3,943.85
June " ..	1,861.55	253.80	71.00	160.00	78.95	2,425.30
July " ..	1,386.00	278.50	53.00	163.00	6.35	1,886.85
Aug. " ..	2,399.50	169.50	40.00	163.00	.50	2,772.50
Sept. " ..	2,519.45	224.75	27.00	167.50	6.55	2,945.25
Oct. " ..	2,226.60	255.50	13.00	160.00	6.50	2,661.60
Nov. " ..	1,251.95	229.00	3.00	160.00	30.05	1,674.00
Dec. " ..	1,380.50	184.60	1.00 *	173.35	100.10	1,839.55
Jan. 1913 ..	1,256.80	235.75	..... *	160.00	32.95	1,685.50
Feb. " ..	1,112.90	236.60	..... *	160.00	21.15	1,530.65
Total	\$23,430.30	\$3,282.90	\$750.00	\$1,946.85	\$442.80	\$29,852.85

* \$160.00 for December, January and February sent to Controller for collection, all of which is included in totals.

Comparative Statement.

	1908	1909	1910	1911	1912
Total arrests...	4,291	5,092	5,928	7,851	6,491
Stock impoun'ded	2,529	2,836	5,746	2,282	1,190
Wagon calls....	2,441	2,898	3,713	4,948	4,865
Wagon mileage.	3,812	4,652	6,381	7,967	7,900
Pound fees.....	\$ 2,994.10	\$ 3,708.55	\$ 3,666.10	\$ 2,760.10	\$ 3,282.90
Fines & costs...	11,844.15	16,924.40	17,692.35	22,481.20	23,430.30
Dog tax.....	582.00	284.00	905.00	492.00	750.00
Special detail...	2,428.50	2,238.00	2,494.80	1,963.15	1,946.85

Cost of Operating the Police Department for the Year Ending February 28, 1913.

Salaries	\$144,199.11
Repairs and renewals of wagon and harness.....	987.57
Live stock, replacement and keep.....	2,464.33
Repairs and renewals of buildings.....	918.58
Repairs and renewals of equipment.....	2,871.71
Light and heat.....	736.00
Subsistence of prisoners.....	4,083.94
Stationery and printing.....	233.20
Other	5,829.10
Repairs, Pound	53.65
Pound	681.32
Extraordinary	8,535.00
 Total	 \$171,593.51
Credit (extraordinary)—Horses and harness delivered to Fire Department	825.00
 Total	 \$170,768.51

Comparative Statement of Revenues and Operating Expenses of the Police Department.

Year	Revenues	Operating Expenses
1901.....	\$ 9,891.90	\$ 62,274.97
1902.....	12,603.50	62,498.66
1903.....	13,407.15	58,604.97
1904.....	16,414.85	64,506.55
1905.....	20,458.55	69,446.52
1906.....	28,094.75	71,857.90
1907.....	21,676.41	72,782.67
1908.....	17,926.15	86,354.46
1909.....	23,274.70	98,656.99
1910.....	25,202.60	111,867.53
1911.....	28,209.20	127,524.08
1912.....	29,852.85	170,768.51

Report of Detective Department for the Year Ending February 28, 1913.

Abusive language	19
Accidental homicide	1
Accompanying lewd women.....	15
Aggravated assault	22
Allowing minor to play pool.....	1
Assault	70
Assault to murder.....	44
Assault to rape.....	6
Assault to rob.....	1
Bigamy	2
Burglary	91
Carrying a dirk.....	1
Carrying knucks	3
Carrying a pistol.....	21
Causing a collision.....	5
Compounding crimes	3
Contempt of court.....	5
Cruelty to animals.....	4
Cursing over telephone.....	1
Deserters	1
Discharging firearms in the city limits.....	3
Disturbing the peace.....	130
Drunk	83
Escaped convicts	4
Embezzlement	9
Exhibiting a game.....	3
Fighting	50
Forgery	9
Fugitives	2
Gaming	185
Impersonating an officer.....	2
Intimidation	1
Juveniles	29
Keeping a disorderly house.....	12
Loitering	53
Lunacy	8
Malicious mischief	7
Murder	9

**Report of Detective Department for the Year Ending
February 28, 1913—Continued.**

Obstructing street	1
Operating auto, no license.....	1
Pandering	2
Peddling without a license.....	2
Perjury	1
Rape	3
Receiving and concealing stolen property.....	10
Registering as man and wife, when not so.....	6
Resisting arrest	1
Robbery by assault.....	6
Robbery by deadly weapons.....	2
Robbery by firearms.....	1
Robbery	7
Running without a light.....	1
Selling opium	1
Selling liquor on Sunday.....	1
Seriously threatening life.....	1
Sleeping in public place.....	3
Street walking	13
Suspicion	873
Swindling	10
Swindling, felony	5
Theft	5
Theft, felony	108
Theft from the person.....	15
Theft of horse.....	6
Theft, misdemeanor	86
Ticket scalping	2
Trespassing	1
Train riding	4
Unlawfully conducting a pawnshop.....	1
Vagrancy	611
Violating Fire Ordinance.....	1
Violating Goo-Goo Eye Ordinance.....	7
Violating Hitching Ordinance.....	1
Violating Junk Dealer Ordinance.....	2
Violating Milk Ordinance.....	8
Violating Plumber Ordinance.....	5
Violating Pawnbroker Ordinance.....	2
Violating Auto Speed Ordinance.....	9
Violating Sunday Law.....	4
Violating Sunday Saloon Law.....	4
Violating Street Car Ordinance.....	1
Violating Traffic Ordinance.....	16
White slavery	1
Total	<u>2,766</u>

Property Stolen and Lost, Recovered and Unrecovered.

Stolen property recovered.....	\$11,991.49
Stolen property unrecovered.....	<u>10,997.75</u>
Total stolen property.....	\$22,989.24
Lost property recovered.....	\$ 1,070.00
Lost property unrecovered.....	<u>1,383.50</u>
Total lost property.....	\$ 2,453.50

ANNUAL REPORT

OF

W. R. HUDSON,

CHIEF HUMANE DEPARTMENT,

For the Year Ending February 28, 1913.

REPORT OF HUMANE DEPARTMENT.

The following is the report of the work done by the Humane Department of the Houston Police Department since the establishment of the Humane Department, September 1, 1912:

Cruelty to animals, cases investigated and handled.....	185
Disorderly houses investigated.....	93
Girls sent to reform school.....	7
Girls turned over to other institutions.....	12
Cases corrected by marriage.....	4
Lost people found for relatives.....	28
Charity cases handled and assisted.....	63
Charity cases turned over to United Charities.....	39
Correspondence handled	579
Total	1,010

Cases in which the Detective Department proper became interested in, not included in this report.

Respectfully,

W. R. HUDSON,
Chief Humane Department.

INDEX TO CONTENTS

OF

MAYOR'S ANNUAL MESSAGE

AND

REPORTS OF OFFICERS

For the Year Ending February 28, 1912.

INDEX TO CONTENTS.

	Page
City Officials.....	3
Heads of Departments.....	4
Board of Liquidation.....	4
Board of Health.....	4
Board of School Trustees.....	5
Committees—	
Water.....	3
Street and Bridge.....	3
Fire.....	3
Ordinance.....	3
Board of Appraisement.....	3
City Reports—	
Mayor's Message.....	7- 12
Tax Commissioner and Chairman	
Board of Appraisement.....	13- 15
Water Committee.....	17- 43
Fire Committee	45- 53
Street and Bridge Committee.....	55- 66
Controller, Report of.....	67- 96
Assessor and Collector, Report of.....	97-101
City Engineer, Report of.....	103-118
Sewer and Plumbing Inspector.....	119-125
Building Inspector.....	127-132
City Attorney, Report of.....	133-138
Health Officer, Report of.....	139-160
City Pathologist and Chemist.....	161-163
Public Service Commissioner.....	165-191
City Scavenger, Report of.....	193-196
Police Department, Report of.....	197-209
Humane Department, Report of.....	211-212



R0162433421 txr

T
976
.41
H843
1913

Houston. Mayor
Annual message



